



*Ventura Countywide
Stormwater Quality
Management Program*

2016-2017
Permit Year

Ventura Countywide Stormwater Quality
Management Program Annual Report

Attachment D1 Monitoring Appendix G



December 15, 2017

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

Appendix G. Laboratory Environmental Analysis Results

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	4884	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	461100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 11:23:00 AM	Calcium	Total	=	181	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 11:23:00 AM	Magnesium	Total	=	49	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Conductivity	n/a	=	2873	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Discharge	n/a	=	0.03	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	DO	n/a	=	153.4	%	Field Meter	-88	0.1	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	DO	n/a	=	12.04	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 11:23:00 AM	Hardness as CaCO3	Total	=	653	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	pH	n/a	=	8.26	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Salinity	n/a	=	1400	mg/L	Field Meter	-88	100	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Specific Conductance	n/a	=	2726	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Temperature	n/a	=	26.9	°C	Field Meter	-88	0.1	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/17/2017 1:17:00 PM	Total Organic Carbon	n/a	=	20	mg/L	SM 5310 C	0.331	3	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/3/2017 9:15:00 AM	Turbidity	n/a	=	2.82	NTU	Field Meter	-88	0.01	Field Crew	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 2:28:00 PM	Copper	Dissolved	=	7.9	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 2:28:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-CAM4	2017-DRY	Dry	8/3/2017 9:15:00 AM	8/9/2017 2:28:00 PM	Zinc	Dissolved	DNQ	4.3	µg/L	EPA 200.8	0.94	5	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/4/2017 10:00:00 AM	E. Coli	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/4/2017 10:00:00 AM	Total Coliform	n/a	=	129970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 11:49:00 AM	Calcium	Total	=	291	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 11:49:00 AM	Magnesium	Total	=	197	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Conductivity	n/a	=	9010	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	DO	n/a	=	83.6	%	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	DO	n/a	=	6.8	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 11:49:00 AM	Hardness as CaCO3	Total	=	1540	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	pH	n/a	=	7.42	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Salinity	n/a	=	4600	mg/L	Field Meter	-88	100	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Specific Conductance	n/a	=	8380	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Temperature	n/a	=	27.5	°C	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/17/2017 3:05:00 PM	Total Organic Carbon	n/a	=	7.9	mg/L	SM 5310 C	0.828	7.5	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/3/2017 2:20:00 PM	Turbidity	n/a	=	47.1	NTU	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 2:48:00 PM	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 2:48:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-HUE3	2017-DRY	Dry	8/3/2017 2:20:00 PM	8/9/2017 2:48:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/3/2017 9:30:00 AM	E. Coli	n/a	=	122	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/3/2017 9:30:00 AM	Total Coliform	n/a	=	1720	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 11:43:00 AM	Calcium	Total	=	174	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 11:43:00 AM	Magnesium	Total	=	48.3	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Conductivity	n/a	=	1369	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Discharge	n/a	=	0.12	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	DO	n/a	=	7.25	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	DO	n/a	=	83.8	%	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 11:43:00 AM	Hardness as CaCO3	Total	=	634	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	pH	n/a	=	7.8	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Specific Conductance	n/a	=	1180	µmhos/cm	Field Meter	-88	1	Field Crew	

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Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Temperature	n/a	=	22.2	°C	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/17/2017 4:22:00 AM	Total Organic Carbon	n/a	=	3.2	mg/L	SM 5310 C	0.0331	0.3	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/2/2017 11:20:00 AM	Turbidity	n/a	=	1.09	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 2:40:00 PM	Copper	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 2:40:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OJA6	2017-DRY	Dry	8/2/2017 11:20:00 AM	8/9/2017 2:40:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	422	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	198630	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 11:46:00 AM	Calcium	Total	=	122	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 11:46:00 AM	Magnesium	Total	=	39.3	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Conductivity	n/a	=	1051	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Discharge	n/a	=	0.08	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	DO	n/a	=	63.5	%	Field Meter	-88	0.1	Field Crew	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	DO	n/a	=	5.6	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 11:46:00 AM	Hardness as CaCO3	Total	=	466	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	pH	n/a	=	8.01	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Specific Conductance	n/a	=	1132	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Temperature	n/a	=	21.3	°C	Field Meter	-88	0.1	Field Crew	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/17/2017 4:40:00 AM	Total Organic Carbon	n/a	=	9.3	mg/L	SM 5310 C	0.0331	0.3	WKL	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/3/2017 8:00:00 AM	Turbidity	n/a	=	1.64	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 2:44:00 PM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 2:44:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OXN2	2017-DRY	Dry	8/3/2017 8:00:00 AM	8/9/2017 2:44:00 PM	Zinc	Dissolved	=	6.6	µg/L	EPA 200.8	0.94	5	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/3/2017 9:30:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/3/2017 9:30:00 AM	Total Coliform	n/a	=	2382	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 11:52:00 AM	Calcium	Total	=	212	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 11:52:00 AM	Magnesium	Total	=	58.6	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Conductivity	n/a	=	1680	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Discharge	n/a	=	0.3	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	DO	n/a	=	94.7	%	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	DO	n/a	=	8.26	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 11:52:00 AM	Hardness as CaCO3	Total	=	771	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	pH	n/a	=	7.77	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Specific Conductance	n/a	=	1774	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Temperature	n/a	=	22.7	°C	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/17/2017 5:21:00 AM	Total Organic Carbon	n/a	=	1.6	mg/L	SM 5310 C	0.0331	0.3	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/2/2017 8:50:00 AM	Turbidity	n/a	=	0.09	NTU	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 2:52:00 PM	Copper	Dissolved	DNQ	0.3	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 2:52:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-SPA4	2017-DRY	Dry	8/2/2017 8:50:00 AM	8/9/2017 2:52:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/4/2017 9:00:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 12:01:00 PM	Calcium	Total	=	216	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 12:01:00 PM	Magnesium	Total	=	149	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Conductivity	n/a	=	3698	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	0.01	Field Crew	EST

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Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	DO	n/a	=	64.6	%	Field Meter	-88	0.1	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	DO	n/a	=	4.93	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 12:01:00 PM	Hardness as CaCO3	Total	=	1150	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	pH	n/a	=	7.26	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Salinity	n/a	=	1800	mg/L	Field Meter	-88	100	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Specific Conductance	n/a	=	3382	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Temperature	n/a	=	29.5	°C	Field Meter	-88	0.1	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/17/2017 2:20:00 PM	Total Organic Carbon	n/a	=	8.6	mg/L	SM 5310 C	0.828	7.5	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/3/2017 12:40:00 PM	Turbidity	n/a	=	4.95	NTU	Field Meter	-88	0.01	Field Crew	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 3:05:00 PM	Copper	Dissolved	DNQ	0.25	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 3:05:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-UNI2	2017-DRY	Dry	8/3/2017 12:40:00 PM	8/9/2017 3:05:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/3/2017 9:30:00 AM	E. Coli	n/a	=	5475	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 12:04:00 PM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 12:04:00 PM	Calcium	Total	=	88	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 12:04:00 PM	Magnesium	Total	=	31.4	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Conductivity	n/a	=	979	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	0.01	Field Crew	EST
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	DO	n/a	=	6.5	%	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	DO	n/a	=	0.69	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 12:04:00 PM	Hardness as CaCO3	Total	=	349	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	pH	n/a	=	7.25	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Specific Conductance	n/a	=	1060	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Temperature	n/a	=	21.8	°C	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/21/2017 8:39:00 PM	Total Organic Carbon	n/a	=	18	mg/L	SM 5310 C	0.0331	0.3	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/2/2017 1:15:00 PM	Turbidity	n/a	=	14.6	NTU	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 3:21:00 PM	Copper	Dissolved	=	5	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 3:21:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-VEN5	2017-DRY	Dry	8/2/2017 1:15:00 PM	8/9/2017 3:21:00 PM	Zinc	Dissolved	=	15	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	738	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/29/2016 12:40:00 PM	Enterococcus	n/a	=	816	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/31/2016 7:00:00 AM	Fecal Coliform	n/a	=	790	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	Conductivity	n/a	=	1478	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	DO	n/a	=	55.7	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	DO	n/a	=	5.06	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	pH	n/a	=	7.87	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	Specific Conductance	n/a	=	1639	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	10/28/2016 9:00:00 AM	Temperature	n/a	=	19.9	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/4/2016 4:41:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/2/2016 1:43:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2016/17-1	Wet	10/28/2016 9:00:00 AM	11/2/2016 1:43:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 6:10:00 PM	Chloride	n/a	=	210	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 6:10:00 PM	Fluoride	n/a	DNQ	0.72	mg/L	EPA 300.0	0.2	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/5/2016 3:12:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 6:10:00 PM	Sulfate	Total	=	210	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Calcium	Total	=	60.1	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Magnesium	Total	=	35.8	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Potassium	Total	=	21	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Sodium	Total	=	150	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	170	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	7.7	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 8:24:00 PM	COD	n/a	=	35	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	39	mg/L	SM 5310 C	5	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 4:26:00 PM	Dissolved Inorganic Carbon	Dissolved	=	12	mg/L	SM 5310 C	0.1	2.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Hardness as CaCO3	Total	=	298	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 4:14:00 PM	MBAS	n/a	=	0.083	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 9:43:00 AM	Phenolics	n/a	=	0.036	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 1:13:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 5:28:00 PM	Total Chlorine Residual	n/a	DNQ	0.047	mg/L	SM 4500-Cl G	0.003	0.1	WKL	EST-HT
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	830	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.09	3	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	66	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 6:53:00 PM	Turbidity	n/a	=	20	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	19	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/28/2016 11:01:00 PM	Diesel Range Organics	n/a	DNQ	0.061	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/28/2016 11:01:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Aluminum	Dissolved	=	7.5	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Aluminum	Total	=	900	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Antimony	Dissolved	=	0.51	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Antimony	Total	=	0.54	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Arsenic	Dissolved	=	4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Arsenic	Total	=	4.2	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Barium	Total	=	34	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Cadmium	Dissolved	=	0.18	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Cadmium	Total	=	0.22	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Chromium	Dissolved	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Chromium	Total	=	3.4	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/10/2016 8:09:00 PM	Chromium VI	n/a	=	0.82	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Copper	Dissolved	=	3.6	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Copper	Total	=	5.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:26:00 PM	Iron	Dissolved	=	40	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:34:00 PM	Iron	Total	=	1300	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Lead	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Lead	Total	=	0.67	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/17/2016 3:44:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/17/2016 3:45:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Nickel	Dissolved	=	5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Nickel	Total	=	6.8	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Selenium	Dissolved	=	0.6	µg/L	EPA 200.8	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Selenium	Total	=	0.63	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 9:50:00 PM	Zinc	Dissolved	=	21	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/9/2016 10:27:00 PM	Zinc	Total	=	28	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.22	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 4:26:00 PM	Nitrate + Nitrite as N	n/a	=	6.9	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	10/29/2016 4:26:00 PM	Nitrate as N	n/a	=	6.9	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/10/2016 1:14:00 PM	Phosphorus as P	Dissolved	=	3	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/7/2016 8:23:00 PM	Phosphorus as P	Total	=	3.3	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	1.7	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	1-Methylnaphthalene	n/a	=	0.71	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	2-Methylnaphthalene	n/a	=	1.2	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Acenaphthene	n/a	=	0.12	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/3/2016 11:00:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Diethyl phthalate	n/a	DNQ	0.2	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Dimethyl phthalate	n/a	=	2.6	µg/L	EPA 625	0.18	1	WKL	HB-LCSR
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Di-n-butylphthalate	n/a	DNQ	0.41	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Fluorene	n/a	=	0.11	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Naphthalene	n/a	=	1.3	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Phenanthrene	n/a	=	0.11	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/30/2016 7:48:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Chlorpyrifos	n/a	DNQ	0.009	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Dalapon	n/a	DNQ	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	DCPA (Dacthal)	n/a	=	1	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 AM	Fensulfon	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 3:31:00 PM	Glyphosate	n/a	=	22	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/15/2016 5:55:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	12/1/2016 2:02:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/4/2016 7:57:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/12/2016 10:20:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/8/2016 10:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-1	Wet	10/29/2016 10:00:00 AM	11/11/2016 9:53:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/21/2016 9:00:00 PM	E. Coli	n/a	=	292	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/22/2016 4:00:00 AM	Enterococcus	n/a	=	504	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/24/2016 8:00:00 AM	Fecal Coliform	n/a	=	24000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/21/2016 9:00:00 PM	Total Coliform	n/a	=	10120	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	Conductivity	n/a	=	33.3	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	DO	n/a	=	9.3	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	DO	n/a	=	89.2	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	pH	n/a	=	7.55	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	Specific Conductance	n/a	=	42.2	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/20/2016 11:25:00 PM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/30/2016 4:27:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/29/2016 9:53:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/23/2016 11:59:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2016/17-2	Wet	11/20/2016 11:25:00 PM	11/23/2016 11:59:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	170	mg/L	EPA 300.0	2	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.31	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/12/2016 8:29:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	180	mg/L	EPA 300.0	2	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Calcium	Total	=	52.8	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Magnesium	Total	=	31.9	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Potassium	Total	=	18	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Sodium	Total	=	130	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 9:57:00 PM	Alkalinity as CaCO3	n/a	=	160	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	9.3	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	50	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	36	mg/L	SM 5310 C	4	4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	10	mg/L	SM 5310 C	0.1	2.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Hardness as CaCO3	Total	=	263	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	DNQ	0.046	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/28/2016 11:24:00 AM	Phenolics	n/a	DNQ	0.0099	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 4:46:00 PM	Total Chlorine Residual	n/a	DNQ	0.0017	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	720	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.072	2.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	200	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	94	NTU	EPA 180.1	0.24	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	42	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 3:25:00 AM	Diesel Range Organics	n/a	=	0.54	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 3:25:00 AM	Oil Range Organics	n/a	DNQ	0.49	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Aluminum	Dissolved	=	9.7	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Aluminum	Total	=	4600	µg/L	EPA 200.8	6.5	25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Antimony	Dissolved	DNQ	0.49	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Antimony	Total	=	0.58	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Arsenic	Dissolved	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.37	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Barium	Total	=	56	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Cadmium	Dissolved	=	0.15	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Cadmium	Total	DNQ	0.37	µg/L	EPA 200.8	0.2	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/9/2016 4:43:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Chromium	Total	=	13	µg/L	EPA 200.8	0.18	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Copper	Dissolved	=	4.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.65	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 11:39:00 AM	Iron	Dissolved	=	31	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 12:20:00 PM	Iron	Total	=	5800	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Lead	Dissolved	DNQ	0.076	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Lead	Total	=	3.3	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 2:24:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/2/2016 2:26:00 PM	Mercury	Total	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Nickel	Dissolved	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.22	4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Selenium	Total	=	0.6	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 5:38:00 PM	Thallium	Total	DNQ	0.049	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/7/2016 3:28:00 PM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/8/2016 5:03:00 PM	Zinc	Total	=	66	µg/L	EPA 200.8	4.7	25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.32	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 12:29:00 PM	Nitrate + Nitrite as N	n/a	=	6.6	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/22/2016 12:29:00 PM	Nitrate as N	n/a	=	6.5	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/9/2016 1:20:00 PM	Phosphorus as P	Dissolved	=	3.5	mg/L	EPA 365.1	0.028	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 2:17:00 PM	Phosphorus as P	Total	=	3.6	mg/L	EPA 365.1	0.07	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	2.5	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2,4-Dinitrophenol	n/a	DNQ	1.4	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.96	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.8	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/16/2016 1:11:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Chlorpyrifos	n/a	DNQ	0.0077	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	DCPA (Dacthal)	n/a	=	0.92	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Diazinon	n/a	DNQ	0.0057	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Fensulfotion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/28/2016 8:42:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Malathion	n/a	=	0.21	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/14/2016 9:44:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/21/2016 7:47:00 PM	Pentachlorophenol	n/a	DNQ	0.85	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/4/2016 1:28:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/22/2016 10:54:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	11/30/2016 10:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-2	Wet	11/21/2016 10:35:00 AM	12/5/2016 7:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/16/2016 7:00:00 PM	E. Coli	n/a	=	4884	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/17/2016 12:40:00 AM	Enterococcus	n/a	=	4352	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/19/2016 2:46:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/16/2016 7:00:00 PM	Total Coliform	n/a	=	61310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	Conductivity	n/a	=	825	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/27/2016 3:43:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	DO	n/a	=	75.4	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	DO	n/a	=	7.38	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	Specific Conductance	n/a	=	988	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/15/2016 11:20:00 PM	Temperature	n/a	=	16.4	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/22/2016 9:54:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	1/3/2017 5:30:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	LB-MSR
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/20/2016 5:26:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2016/17-3	Wet	12/15/2016 11:20:00 PM	12/20/2016 5:26:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	96	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.29	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 8:25:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	110	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Calcium	Total	=	35.4	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Magnesium	Total	=	20.7	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Sodium	Total	=	75	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	120	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	8.9	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/23/2016 4:01:00 PM	COD	n/a	=	26	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	28	mg/L	SM 5310 C	5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	6.2	mg/L	SM 5310 C	0.026	0.6	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Hardness as CaCO3	Total	=	173	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 11:39:00 AM	Phenolics	n/a	DNQ	0.0079	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/20/2016 4:34:00 PM	Specific Conductance	n/a	=	800	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 9:10:00 PM	Total Chlorine Residual	n/a	DNQ	0.011	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	430	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	7.3	mg/L	SM 5310 C	0.036	1.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	330	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	170	NTU	EPA 180.1	0.24	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	48	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/5/2017 2:11:00 PM	Diesel Range Organics	n/a	=	0.33	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/5/2017 2:11:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/3/2017 2:28:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/3/2017 2:49:00 PM	Aluminum	Total	=	3200	µg/L	EPA 200.8	26	100	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Antimony	Dissolved	=	0.53	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Antimony	Total	=	0.66	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 6:17:00 PM	Arsenic	Dissolved	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Arsenic	Total	=	4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Barium	Total	=	38	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Cadmium	Dissolved	=	0.16	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Cadmium	Total	=	0.35	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Chromium	Dissolved	=	0.4	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Chromium	Total	=	10	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0048	0.02	WKL	EST-MSRPD
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Copper	Total	=	9.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:14:00 PM	Iron	Dissolved	=	38	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:17:00 PM	Iron	Total	=	3800	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 2:49:00 PM	Lead	Dissolved	DNQ	0.081	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 3:12:00 PM	Lead	Total	=	2.5	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 2:13:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 2:15:00 PM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Nickel	Dissolved	=	4.8	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 3:31:00 PM	Selenium	Dissolved	=	0.45	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 3:49:00 PM	Selenium	Total	=	0.52	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Silver	Dissolved	DNQ	0.065	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Silver	Total	DNQ	0.066	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 6:49:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 3:12:00 PM	Thallium	Total	DNQ	0.026	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 7:19:00 PM	Zinc	Dissolved	=	10	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 9:01:00 PM	Zinc	Total	=	31	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.13	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 5:56:00 PM	Nitrate + Nitrite as N	n/a	=	3.8	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/17/2016 5:56:00 PM	Nitrate as N	n/a	=	3.7	mg/L	EPA 353.2	0.041	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/29/2016 4:53:00 PM	Phosphorus as P	Dissolved	=	2.8	mg/L	EPA 365.1	0.07	0.5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/22/2016 12:46:00 PM	Phosphorus as P	Total	=	1.8	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.5	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/9/2017 10:54:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	4,4'-DDE	n/a	DNQ	0.013	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Chlorpyrifos	n/a	=	0.03	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	DCPA (Dacthal)	n/a	=	0.65	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Dichlorvos	n/a	=	0.01	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/21/2016 2:56:00 PM	Glyphosate	n/a	=	9.2	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Malathion	n/a	=	0.04	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/28/2016 10:37:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/10/2017 4:50:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 10:47:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	1/7/2017 3:15:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/30/2016 8:21:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-3	Wet	12/16/2016 10:55:00 AM	12/27/2016 6:38:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/5/2017 4:58:00 PM	Chloride	n/a	=	240	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	0.44	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/31/2017 9:34:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/5/2017 4:58:00 PM	Sulfate	Total	=	280	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Calcium	Total	=	102	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Magnesium	Total	=	60	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Potassium	Total	=	16	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Sodium	Total	=	200	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 8:03:00 PM	COD	n/a	=	17	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	73	mg/L	SM 5310 C	10	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	5	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Hardness as CaCO3	Total	=	503	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	DNQ	0.03	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/22/2017 1:36:00 PM	Phenolics	n/a	DNQ	0.0078	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	1900	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/18/2017 6:36:00 PM	Total Chlorine Residual	n/a	DNQ	0.041	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/22/2017 2:40:00 PM	Total Dissolved Solids	n/a	=	1200	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	4.8	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	=	8	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	3.9	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 10:37:00 PM	Diesel Range Organics	n/a	DNQ	0.065	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 10:37:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 12:42:00 PM	Aluminum	Dissolved	DNQ	3.3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 12:46:00 PM	Aluminum	Total	=	100	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Antimony	Dissolved	DNQ	0.45	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Antimony	Total	DNQ	0.44	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Arsenic	Dissolved	=	4.9	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Arsenic	Total	=	4.8	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Barium	Total	=	43	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Cadmium	Dissolved	=	0.28	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Cadmium	Total	=	0.28	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Chromium	Dissolved	=	0.48	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Chromium	Total	=	0.7	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	0.4	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Copper	Dissolved	=	3.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Copper	Total	=	3.8	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:22:00 PM	Iron	Dissolved	=	11	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/9/2017 10:37:00 PM	Iron	Total	=	170	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Lead	Dissolved	DNQ	0.048	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Lead	Total	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:27:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:29:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Nickel	Dissolved	=	8	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Nickel	Total	=	8.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Selenium	Dissolved	=	1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Selenium	Total	=	0.88	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 11:50:00 AM	Zinc	Dissolved	=	11	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:15:00 PM	Zinc	Total	=	10	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 2:03:00 PM	Nitrate + Nitrite as N	n/a	=	9.5	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/19/2017 2:03:00 PM	Nitrate as N	n/a	=	9.4	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 1:14:00 PM	Phosphorus as P	Dissolved	=	2.3	mg/L	EPA 365.1	0.028	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 12:18:00 PM	Phosphorus as P	Total	=	2.3	mg/L	EPA 365.1	0.028	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.29	µg/L	EPA 625	0.18	1	WKL	UL-MB
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 1:18:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	DCPA (Daacthal)	n/a	=	3.2	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Dimethoate	n/a	=	0.014	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Fensulfothion	n/a	DNQ	0.0031	µg/L	EPA 525.2m	0.0029	0.01	WKL	UL-MB
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:27:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Malathion	n/a	=	0.038	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Metolachlor	n/a	DNQ	0.023	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/26/2017 6:40:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 12:06:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/23/2017 10:41:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/2/2017 11:35:00 PM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	5/24/2017 9:18:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:35:00 AM	6/15/2017 4:37:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	41	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	100	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/21/2017 3:40:00 PM	Fecal Coliform	n/a	=	170	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	51720	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	Conductivity	n/a	=	1475	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	DO	n/a	=	9.58	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	DO	n/a	=	103.1	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	pH	n/a	=	8.11	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	Specific Conductance	n/a	=	1676	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/18/2017 10:40:00 AM	Temperature	n/a	=	18.7	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/19/2017 8:17:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/25/2017 2:53:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2016/17-6	Dry	5/18/2017 10:40:00 AM	5/25/2017 2:53:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/16/2017 12:21:00 PM	Chloride	n/a	=	91	mg/L	EPA 300.0	2.5	12	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/16/2017 12:21:00 PM	Fluoride	n/a	=	0.62	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 8:58:00 PM	Perchlorate	n/a	DNQ	3.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/16/2017 12:21:00 PM	Sulfate	Total	=	720	mg/L	EPA 300.0	2.5	12	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Calcium	Total	=	206	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Magnesium	Total	=	90.2	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Potassium	Total	=	8.5	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Sodium	Total	=	170	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/7/2017 1:57:00 PM	Alkalinity as CaCO3	n/a	=	350	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 6:30:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:15:00 AM	COD	n/a	=	18	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/17/2017 9:10:00 AM	Dissolved Inorganic Carbon	Dissolved	=	74	mg/L	SM 5310 C	5	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/16/2017 8:34:00 AM	Dissolved Organic Carbon	Dissolved	=	5.8	mg/L	SM 5310 C	0.052	1.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Hardness as CaCO3	Total	=	885	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/6/2017 7:53:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/10/2017 11:23:00 AM	Phenolics	n/a	DNQ	0.0068	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/7/2017 4:09:00 PM	Specific Conductance	n/a	=	2300	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/8/2017 4:15:00 PM	Total Dissolved Solids	n/a	=	1800	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/9/2017 10:57:00 AM	Total Organic Carbon	n/a	=	4.9	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/10/2017 5:20:00 PM	Total Suspended Solids	n/a	=	220	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/6/2017 6:47:00 PM	Turbidity	n/a	=	230	NTU	EPA 180.1	0.48	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/10/2017 5:20:00 PM	Volatile Suspended Solids	n/a	=	45	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/25/2017 12:21:00 AM	Diesel Range Organics	n/a	DNQ	0.053	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/25/2017 12:21:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/25/2017 11:54:00 AM	Aluminum	Total	=	2500	µg/L	EPA 200.8	65	250	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Antimony	Dissolved	DNQ	0.35	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Antimony	Total	DNQ	0.36	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Arsenic	Dissolved	=	0.99	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Barium	Total	=	170	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Beryllium	Total	DNQ	0.053	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Cadmium	Total	DNQ	0.091	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Chromium	Dissolved	DNQ	0.087	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Chromium	Total	=	3.2	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017	Chromium VI	n/a	=	0.062	µg/L	EPA 218.6	0.0048	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Copper	Dissolved	=	1.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Copper	Total	=	4.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:03:00 PM	Iron	Dissolved	DNQ	4.6	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 2:23:00 PM	Iron	Total	=	2600	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Lead	Dissolved	=	0.2	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Lead	Total	=	2.8	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 2:10:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 2:12:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Nickel	Total	=	4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Selenium	Dissolved	=	5.4	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Selenium	Total	=	5.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:51:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 2:55:00 PM	Zinc	Total	=	8.4	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/17/2017 3:30:00 PM	Ammonia as N	n/a	=	0.11	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/6/2017 2:04:00 PM	Nitrate + Nitrite as N	n/a	=	2.3	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/9/2017 3:11:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/9/2017 2:20:00 PM	Phosphorus as P	Total	=	0.23	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 6:55:00 PM	TKN	n/a	=	0.77	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Diethyl phthalate	n/a	DNQ	0.17	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	EST-LCSRPD
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/18/2017 11:49:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	EST-LCSRPD
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	DCPA (Dacthal)	n/a	=	0.2	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	ST, EST-LCSRPD
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Diamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/9/2017 2:34:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/13/2017 10:58:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 11:28:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/11/2017 7:12:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	ST-LCSRPD, LB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	ST-LCSRPD, LB
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/20/2017 1:44:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/19/2017 5:47:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:10:00 AM	1/24/2017 12:40:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/6/2017 8:00:00 AM	E. Coli	n/a	=	809	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/6/2017 2:00:00 PM	Enterococcus	n/a	=	750	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/8/2017 9:30:00 AM	Fecal Coliform	n/a	=	1400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/6/2017 8:00:00 AM	Total Coliform	n/a	=	72700	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	Conductivity	n/a	=	1277	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/17/2017 8:59:00 PM	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	DO	n/a	=	82.3	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	DO	n/a	=	8.62	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	pH	n/a	=	8.11	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	Specific Conductance	n/a	=	1569	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/5/2017 9:30:00 AM	Temperature	n/a	=	13	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/9/2017 9:50:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/18/2017 3:23:00 PM	Oil and Grease	n/a	DNQ	2.1	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/10/2017 5:42:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2016/17-4	Wet	1/5/2017 9:30:00 AM	1/10/2017 5:42:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:10:00 AM	E. Coli	n/a	=	206	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:10:00 AM	Enterococcus	n/a	=	121	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/22/2017 8:55:00 AM	Fecal Coliform	n/a	=	3000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:10:00 AM	Total Coliform	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	Conductivity	n/a	=	1209	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/31/2017 10:14:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	DO	n/a	=	9.46	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	DO	n/a	=	86.6	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	pH	n/a	=	8.33	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	Specific Conductance	n/a	=	1636	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/19/2017 3:30:00 AM	Temperature	n/a	=	11.3	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/23/2017 6:10:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	2/2/2017 10:49:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:17:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 3:30:00 AM	1/20/2017 6:17:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/23/2017 4:50:00 PM	Chloride	n/a	=	44	mg/L	EPA 300.0	1	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/23/2017 4:50:00 PM	Fluoride	n/a	=	0.45	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/27/2017 12:39:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/23/2017 4:50:00 PM	Sulfate	Total	=	420	mg/L	EPA 300.0	1	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Calcium	Total	=	1270	mg/L	EPA 200.7	8	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Magnesium	Total	=	740	mg/L	EPA 200.7	6	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Potassium	Total	=	330	mg/L	EPA 200.7	40	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 12:01:00 PM	Sodium	Total	=	180	mg/L	EPA 200.7	0.15	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/29/2017 12:52:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/31/2017 10:54:00 AM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/26/2017 4:44:00 PM	COD	n/a	=	2200	mg/L	EPA 410.4	2.9	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	40	mg/L	SM 5310 C	5	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	5.8	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Hardness as CaCO3	Total	=	6220	mg/L	EPA 200.7	44.7	331	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 7:44:00 PM	MBAS	n/a	<	0.038	mg/L	SM 5540 C	0.038	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/27/2017 8:58:00 AM	Phenolics	n/a	DNQ	0.0095	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 2:00:00 PM	Total Dissolved Solids	n/a	=	940	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	5.8	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	76000	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	140000	NTU	EPA 180.1	120	500	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	6000	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/2/2017 12:27:00 AM	Diesel Range Organics	n/a	<	0.24	mg/L	EPA 8015D	0.24	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/2/2017 12:27:00 AM	Oil Range Organics	n/a	<	3.3	mg/L	EPA 8015D	3.3	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Aluminum	Dissolved	=	5.1	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Aluminum	Total	=	860000	µg/L	EPA 200.8	130	500	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Antimony	Dissolved	DNQ	0.4	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Antimony	Total	DNQ	0.71	µg/L	EPA 200.8	0.22	2.5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Arsenic	Dissolved	=	0.54	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Arsenic	Total	=	170	µg/L	EPA 200.8	7.4	40	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Barium	Total	=	8700	µg/L	EPA 200.8	7.1	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Beryllium	Total	=	80	µg/L	EPA 200.8	0.16	0.5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Cadmium	Dissolved	DNQ	0.073	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Cadmium	Total	=	69	µg/L	EPA 200.8	4.1	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Chromium	Dissolved	=	0.28	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Chromium	Total	=	1400	µg/L	EPA 200.8	3.5	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.024	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Copper	Dissolved	=	4.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Copper	Total	=	1900	µg/L	EPA 200.8	13	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:53:00 AM	Iron	Dissolved	=	12	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 1:12:00 PM	Iron	Total	=	1700000	µg/L	EPA 200.7	550	5000	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Lead	Dissolved	DNQ	0.038	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Lead	Total	=	930	µg/L	EPA 200.8	3.1	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/26/2017 3:11:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/26/2017 3:13:00 PM	Mercury	Total	=	2000	ng/L	EPA 245.1	34	100	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Nickel	Dissolved	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Nickel	Total	=	2200	µg/L	EPA 200.8	4.5	80	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Selenium	Dissolved	=	3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Selenium	Total	=	33	µg/L	EPA 200.8	0.7	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Silver	Total	=	7.6	µg/L	EPA 200.8	0.31	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Thallium	Dissolved	DNQ	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:17:00 PM	Thallium	Total	=	18	µg/L	EPA 200.8	0.07	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:13:00 PM	Zinc	Dissolved	DNQ	1.8	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 6:24:00 PM	Zinc	Total	=	6300	µg/L	EPA 200.8	94	500	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.67	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/20/2017 11:29:00 AM	Nitrate + Nitrite as N	n/a	=	3.7	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 6:33:00 PM	Phosphorus as P	Dissolved	=	0.03	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 5:32:00 PM	Phosphorus as P	Total	=	88	mg/L	EPA 365.1	0.7	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/25/2017 7:48:00 PM	TKN	n/a	=	56	mg/L	EPA 351.2	1	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(a)anthracene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	4	µg/L	EPA 625	2.3	5	WKL	UL-MB
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Diethyl phthalate	n/a	DNQ	0.21	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 1:24:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	DCPA (Daacthal)	n/a	=	0.32	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Dimethoate	n/a	DNQ	0.076	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 7:43:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/11/2017 5:55:00 PM	Pentachlorophenol	n/a	DNQ	0.63	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/8/2017 7:51:00 PM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/24/2017 12:12:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Simazine	n/a	=	1.9	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/1/2017 12:29:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	2/6/2017 5:49:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-5	Wet	1/19/2017 1:15:00 PM	1/30/2017 11:00:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 1:06:00 PM	Chloride	n/a	=	93	mg/L	EPA 300.0	0.2	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 1:06:00 PM	Fluoride	n/a	=	0.74	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 10:46:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 1:06:00 PM	Sulfate	Total	=	870	mg/L	EPA 300.0	2	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 10:30:00 AM	E. Coli	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 3:30:00 PM	Enterococcus	n/a	=	20	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/7/2017 9:00:00 AM	Fecal Coliform	n/a	<	2	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 10:30:00 AM	Total Coliform	n/a	=	565	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Calcium	Total	=	187	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Magnesium	Total	=	90.6	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Potassium	Total	=	5.7	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Sodium	Total	=	160	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:37:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 5:55:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 6:58:00 PM	COD	n/a	=	18	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	Conductivity	n/a	=	1967	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 12:26:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 2:09:00 PM	Dissolved Inorganic Carbon	Dissolved	=	52	mg/L	SM 5310 C	5	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:39:00 PM	Dissolved Organic Carbon	Dissolved	=	4.4	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	DO	n/a	=	161.1	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	DO	n/a	=	13.85	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Hardness as CaCO3	Total	=	841	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 6:56:00 PM	MBAS	n/a	DNQ	0.047	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	pH	n/a	=	8.2	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 11:21:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	Salinity	n/a	=	1000	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/8/2017 12:56:00 PM	Specific Conductance	n/a	=	2200	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	Specific Conductance	n/a	=	2056	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/4/2017 9:40:00 AM	Temperature	n/a	=	22.8	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 6:38:00 PM	Total Dissolved Solids	n/a	=	1600	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/9/2017 11:04:00 AM	Total Organic Carbon	n/a	=	4.1	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/8/2017 4:45:00 PM	Total Suspended Solids	n/a	DNQ	2	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:14:00 PM	Turbidity	n/a	=	0.96	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/8/2017 4:45:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 12:02:00 PM	Diesel Range Organics	n/a	DNQ	0.071	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/9/2017 2:45:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 4:00:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/12/2017 12:02:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Aluminum	Dissolved	DNQ	1.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Aluminum	Total	=	25	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Antimony	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Antimony	Total	DNQ	0.22	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Arsenic	Dissolved	=	0.65	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Arsenic	Total	=	0.69	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Barium	Total	=	42	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:45:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:57:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Chromium	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Chromium	Total	DNQ	0.1	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/8/2017 3:00:00 PM	Chromium VI	n/a	=	0.035	µg/L	EPA 218.6	0.0048	0.02	WKL	EST

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Copper	Dissolved	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Copper	Total	=	1.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/14/2017 11:06:00 AM	Iron	Dissolved	=	23	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 9:28:00 AM	Iron	Total	=	66	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Lead	Total	DNQ	0.068	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 3:45:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 3:47:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Nickel	Total	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:45:00 PM	Selenium	Dissolved	=	6.4	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 3:57:00 PM	Selenium	Total	=	6.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:30:00 PM	Zinc	Dissolved	DNQ	1.9	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/11/2017 5:39:00 PM	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 9:56:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 10:28:00 PM	Nitrate + Nitrite as N	n/a	=	0.98	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 12:54:00 PM	Phosphorus as P	Dissolved	DNQ	0.0046	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 12:41:00 PM	Phosphorus as P	Total	=	0.011	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/15/2017 4:21:00 PM	TKN	n/a	=	0.39	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	LB-LCSR
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/9/2017 8:44:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 8270C	0.14	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.8	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.45	µg/L	EPA 625	0.18	1	WKL	UL-MB
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Diethyl phthalate	n/a	=	4.2	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Hexachlorocyclohexane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/9/2017 8:44:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Phenol	n/a	DNQ	0.21	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/17/2017 11:53:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	DCPA (Dacthal)	n/a	=	0.61	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/10/2017 7:52:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 4:30:00 AM	Pentachlorophenol	n/a	DNQ	0.95	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/23/2017 9:12:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/13/2017 1:18:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/19/2017 1:50:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/16/2017 8:37:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2016/17-6	Dry	5/4/2017 9:40:00 AM	5/5/2017 4:57:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	1198	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/29/2016 12:40:00 PM	Enterococcus	n/a	=	160	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/31/2016 7:35:00 AM	Fecal Coliform	n/a	=	140000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	410600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	Conductivity	n/a	=	1145	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.006	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	DO	n/a	=	4.98	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	DO	n/a	=	50.7	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	pH	n/a	=	7.64	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	Specific Conductance	n/a	=	1382	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	10/28/2016 7:20:00 AM	Temperature	n/a	=	16	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/4/2016 5:11:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/2/2016 2:05:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-1	Wet	10/28/2016 7:20:00 AM	11/2/2016 2:05:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 6:10:00 PM	Chloride	n/a	=	96	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 6:10:00 PM	Fluoride	n/a	DNQ	0.7	mg/L	EPA 300.0	0.2	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/5/2016 3:33:00 PM	Perchlorate	n/a	=	11	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 6:10:00 PM	Sulfate	Total	=	290	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Calcium	Total	=	146	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Magnesium	Total	=	44.9	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Potassium	Total	=	4.4	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Sodium	Total	=	83	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	310	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	3	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 8:24:00 PM	COD	n/a	=	6.3	mg/L	EPA 410.4	0.73	5	WKL	UL-MB
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	77	mg/L	SM 5310 C	10	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	3.6	mg/L	SM 5310 C	0.065	1.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Hardness as CaCO3	Total	=	549	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	10/29/2016 4:14:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 9:37:00 AM	Phenolics	n/a	DNQ	0.0043	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 1:13:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	910	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	3	mg/L	SM 5310 C	0.018	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	44	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	10/29/2016 6:53:00 PM	Turbidity	n/a	=	21	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/28/2016 11:36:00 PM	Diesel Range Organics	n/a	DNQ	0.088	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/28/2016 11:36:00 PM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Aluminum	Dissolved	DNQ	2	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Aluminum	Total	=	810	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Antimony	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Antimony	Total	DNQ	0.12	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Arsenic	Total	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Barium	Total	=	62	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Cadmium	Total	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Chromium	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Chromium	Total	=	2.2	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/10/2016 8:09:00 PM	Chromium VI	n/a	=	0.051	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Copper	Dissolved	=	0.64	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Copper	Total	=	1.7	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:29:00 PM	Iron	Dissolved	DNQ	5.8	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:37:00 PM	Iron	Total	=	1200	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Lead	Total	=	0.41	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/17/2016 3:47:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/17/2016 3:49:00 PM	Mercury	Total	DNQ	30	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Nickel	Total	=	3.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Selenium	Dissolved	=	0.42	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Selenium	Total	=	0.49	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 9:57:00 PM	Zinc	Dissolved	DNQ	3.1	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/9/2016 10:35:00 PM	Zinc	Total	=	6.8	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	10/29/2016 4:27:00 PM	Nitrate + Nitrite as N	n/a	=	0.15	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/10/2016 12:50:00 PM	Phosphorus as P	Dissolved	=	0.052	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/7/2016 7:59:00 PM	Phosphorus as P	Total	=	0.1	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	0.38	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.4	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Diethyl phthalate	n/a	=	4	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Dimethyl phthalate	n/a	DNQ	0.34	µg/L	EPA 625	0.18	1	WKL	HB-LCSR
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/30/2016 8:22:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	DCCA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 3:46:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/15/2016 6:25:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	12/1/2016 2:31:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/4/2016 8:33:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/12/2016 10:51:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/8/2016 11:00:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-1	Wet	10/29/2016 7:42:00 AM	11/11/2016 10:19:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/21/2016 9:30:00 PM	E. Coli	n/a	=	1137	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/22/2016 4:00:00 AM	Enterococcus	n/a	=	359	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/24/2016 8:00:00 AM	Fecal Coliform	n/a	=	790	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/21/2016 9:30:00 PM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	Conductivity	n/a	=	1018	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	DO	n/a	=	7.32	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	DO	n/a	=	68.3	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	Specific Conductance	n/a	=	1362	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/20/2016 11:40:00 PM	Temperature	n/a	=	11.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/30/2016 4:58:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	12/1/2016 3:20:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/23/2016 12:28:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-2	Wet	11/20/2016 11:40:00 PM	11/23/2016 12:28:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	110	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.36	mg/L	EPA 300.0	0.02	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/12/2016 8:50:00 PM	Perchlorate	n/a	=	11	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	310	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Calcium	Total	=	148	mg/L	EPA 200.7	0.032	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Magnesium	Total	=	45.3	mg/L	EPA 200.7	0.024	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Potassium	Total	=	5.3	mg/L	EPA 200.7	0.16	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 11:23:00 AM	Sodium	Total	=	83	mg/L	EPA 200.7	0.03	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 9:57:00 PM	Alkalinity as CaCO3	n/a	=	330	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	2.3	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	20	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	91	mg/L	SM 5310 C	20	20	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/1/2016 11:49:00 AM	Dissolved Inorganic Carbon	Dissolved	=	3.8	mg/L	SM 5310 C	0.052	1.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Hardness as CaCO3	Total	=	557	mg/L	EPA 200.7	0.179	1.32	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/28/2016 11:25:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	950	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	3.5	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	19	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	16	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 4:00:00 AM	Diesel Range Organics	n/a	=	0.29	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 4:00:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Aluminum	Dissolved	=	15	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Aluminum	Total	=	650	µg/L	EPA 200.8	6.5	25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Antimony	Dissolved	DNQ	0.085	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Antimony	Total	DNQ	0.084	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Arsenic	Total	DNQ	1.3	µg/L	EPA 200.8	0.37	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Barium	Total	=	58	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Beryllium	Total	DNQ	0.034	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Cadmium	Total	<	0.2	µg/L	EPA 200.8	0.2	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/9/2016 4:48:00 PM	Chromium	Dissolved	DNQ	0.055	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Chromium	Total	=	1.7	µg/L	EPA 200.8	0.18	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.046	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Copper	Dissolved	=	0.62	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Copper	Total	DNQ	1.4	µg/L	EPA 200.8	0.65	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 11:42:00 AM	Iron	Dissolved	=	10	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 12:23:00 PM	Iron	Total	=	980	µg/L	EPA 200.7	2.2	20	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Lead	Dissolved	DNQ	0.051	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Lead	Total	=	0.3	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 2:27:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/2/2016 2:29:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Nickel	Dissolved	=	2.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Nickel	Total	=	4.4	µg/L	EPA 200.8	0.22	4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Selenium	Dissolved	=	0.43	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Selenium	Total	=	0.5	µg/L	EPA 200.8	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 5:42:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/7/2016 3:32:00 PM	Zinc	Dissolved	DNQ	0.99	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/8/2016 5:07:00 PM	Zinc	Total	<	4.7	µg/L	EPA 200.8	4.7	25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.13	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/22/2016 10:05:00 AM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 8:25:00 PM	Phosphorus as P	Dissolved	=	0.071	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 2:18:00 PM	Phosphorus as P	Total	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	0.55	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:52:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	33	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Diethyl phthalate	n/a	=	2.6	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:52:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/16/2016 1:47:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/28/2016 8:55:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/21/2016 8:17:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/14/2016 10:16:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/4/2016 2:04:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/22/2016 11:25:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	11/30/2016 11:01:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-2	Wet	11/21/2016 10:52:00 AM	12/5/2016 7:29:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/17/2016 12:44:00 AM	Enterococcus	n/a	=	4352	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/19/2016 2:40:00 PM	Fecal Coliform	n/a	=	2400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	104620	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	Conductivity	n/a	=	1027	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/27/2016 3:43:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	DO	n/a	=	6.26	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	DO	n/a	=	58	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	Specific Conductance	n/a	=	1350	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/15/2016 9:50:00 PM	Temperature	n/a	=	12.5	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/22/2016 10:28:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	1/5/2017 4:54:00 PM	Oil and Grease	n/a	DNQ	3.1	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/20/2016 5:54:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-3	Wet	12/15/2016 9:50:00 PM	12/20/2016 5:54:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	100	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.45	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 8:46:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	280	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Calcium	Total	=	128	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Magnesium	Total	=	40.4	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Potassium	Total	=	6.1	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Sodium	Total	=	75	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	320	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	3.3	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 10:52:00 AM	COD	n/a	=	9.2	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	83	mg/L	SM 5310 C	20	20	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	4.1	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Hardness as CaCO3	Total	=	485	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:35:00 AM	Phenolics	n/a	DNQ	0.0065	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/20/2016 4:34:00 PM	Specific Conductance	n/a	=	1300	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	830	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	4.2	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	67	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	47	NTU	EPA 180.1	0.24	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	9	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/5/2017 2:47:00 PM	Diesel Range Organics	n/a	=	0.5	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/5/2017 2:47:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/3/2017 2:30:00 PM	Aluminum	Dissolved	DNQ	1.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/3/2017 2:51:00 PM	Aluminum	Total	=	1700	µg/L	EPA 200.8	13	50	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Antimony	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Antimony	Total	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Barium	Total	=	66	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Beryllium	Total	DNQ	0.083	µg/L	EPA 200.8	0.033	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Cadmium	Dissolved	DNQ	0.065	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Cadmium	Total	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Chromium	Dissolved	DNQ	0.072	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Chromium	Total	=	5.1	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.036	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Copper	Dissolved	=	1.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Copper	Total	=	3.6	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:19:00 PM	Iron	Dissolved	=	10	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 6:22:00 PM	Iron	Total	=	2400	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 2:51:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 3:13:00 PM	Lead	Total	=	0.8	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 2:17:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 2:19:00 PM	Mercury	Total	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Nickel	Dissolved	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Nickel	Total	=	9.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 3:32:00 PM	Selenium	Dissolved	=	0.63	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 3:50:00 PM	Selenium	Total	=	0.81	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Silver	Dissolved	DNQ	0.081	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 2:51:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 3:13:00 PM	Thallium	Total	DNQ	0.023	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 7:26:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 9:08:00 PM	Zinc	Total	=	8.9	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	DNQ	0.078	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/20/2016 12:29:00 PM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/29/2016 4:40:00 PM	Phosphorus as P	Dissolved	=	0.094	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/22/2016 12:59:00 PM	Phosphorus as P	Total	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	0.6	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Diethyl phthalate	n/a	=	2.6	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/9/2017 11:30:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Chlorpyrifos	n/a	=	0.5	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/21/2016 3:09:00 PM	Glyphosate	n/a	DNQ	2.1	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/28/2016 11:09:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/10/2017 5:21:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 11:23:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	1/7/2017 3:45:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/30/2016 8:47:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-3	Wet	12/16/2016 10:35:00 AM	12/27/2016 7:04:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 5:50:00 AM	E. Coli	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Enterococcus	n/a	=	12997	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/23/2017 7:20:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 5:50:00 AM	Total Coliform	n/a	=	68670	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Conductivity	n/a	=	1147	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/31/2017 10:14:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	DO	n/a	=	56.6	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	DO	n/a	=	6.2	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	pH	n/a	=	7.47	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Specific Conductance	n/a	=	1576	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/19/2017 3:10:00 AM	Temperature	n/a	=	10.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 9:39:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/24/2017 5:08:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 6:45:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 3:10:00 AM	1/20/2017 6:45:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	100	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	DNQ	0.4	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 12:59:00 AM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	350	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Calcium	Total	=	165	mg/L	EPA 200.7	0.032	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Magnesium	Total	=	50.7	mg/L	EPA 200.7	0.024	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Potassium	Total	=	3.6	mg/L	EPA 200.7	0.16	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Sodium	Total	=	100	mg/L	EPA 200.7	0.03	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/29/2017 12:52:00 PM	Alkalinity as CaCO3	n/a	=	290	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	25	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	77	mg/L	SM 5310 C	10	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	4	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 9:04:00 PM	Hardness as CaCO3	Total	=	621	mg/L	EPA 200.7	0.179	1.32	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 8:54:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	1700	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 2:00:00 PM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	3.8	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	30	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	10	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 1:49:00 PM	Diesel Range Organics	n/a	DNQ	0.058	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 1:49:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Aluminum	Dissolved	DNQ	2.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Aluminum	Total	=	690	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Antimony	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Antimony	Total	DNQ	0.12	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Arsenic	Dissolved	=	0.67	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Arsenic	Total	=	0.83	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Barium	Total	=	66	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Beryllium	Total	DNQ	0.041	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Cadmium	Total	DNQ	0.073	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Chromium	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Chromium	Total	=	1.8	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.075	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Copper	Dissolved	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Copper	Total	=	2.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 11:56:00 AM	Iron	Dissolved	DNQ	9.5	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/30/2017 12:04:00 PM	Iron	Total	=	1100	µg/L	EPA 200.7	2.2	20	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Lead	Total	=	0.48	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/26/2017 3:14:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/26/2017 3:16:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Nickel	Dissolved	=	2.2	µg/L	EPA 200.8	0.045	0.8	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Nickel	Total	=	3.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Selenium	Total	=	1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:19:00 PM	Zinc	Dissolved	DNQ	2.3	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 5:25:00 PM	Zinc	Total	DNQ	4.5	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/20/2017 11:31:00 AM	Nitrate + Nitrite as N	n/a	=	0.61	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/1/2017 6:34:00 PM	Phosphorus as P	Dissolved	=	0.033	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/1/2017 5:12:00 PM	Phosphorus as P	Total	=	0.095	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	0.32	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Diethyl phthalate	n/a	=	11	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Dimethyl phthalate	n/a	DNQ	0.19	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 1:59:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Chlorpyrifos	n/a	=	0.16	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 7:56:00 PM	Glyphosate	n/a	DNQ	4.6	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/8/2017 8:20:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/11/2017 6:26:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/24/2017 12:48:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/14/2017 8:19:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	2/6/2017 6:15:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-5	Wet	1/19/2017 9:45:00 AM	1/27/2017 9:12:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 3:08:00 PM	Chloride	n/a	=	55	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 3:08:00 PM	Fluoride	n/a	DNQ	0.46	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/20/2017 7:00:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 3:08:00 PM	Sulfate	Total	=	280	mg/L	EPA 300.0	0.5	2.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 9:00:00 AM	E. Coli	n/a	=	20	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 3:00:00 PM	Enterococcus	n/a	<	10	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/27/2017 10:00:00 AM	Fecal Coliform	n/a	=	20	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 9:00:00 AM	Total Coliform	n/a	=	4106	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Calcium	Total	=	137	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Magnesium	Total	=	36.1	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Potassium	Total	=	2.8	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Sodium	Total	=	61	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 1:13:00 PM	Alkalinity as CaCO3	n/a	=	240	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/29/2017 4:45:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 2:38:00 PM	COD	n/a	=	8	mg/L	EPA 410.4	0.73	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	Conductivity	n/a	=	1031	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 2:08:00 PM	Dissolved Inorganic Carbon	Dissolved	=	72	mg/L	SM 5310 C	20	20	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	2.6	mg/L	SM 5310 C	0.026	0.6	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	DO	n/a	=	97.2	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	DO	n/a	=	8.8	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Hardness as CaCO3	Total	=	491	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 6:58:00 PM	MBAS	n/a	DNQ	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	pH	n/a	=	7.87	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 10:12:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	Specific Conductance	n/a	=	1142	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 3:15:00 PM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 11:10:00 AM	Temperature	n/a	=	19.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/23/2017 7:30:00 PM	Total Dissolved Solids	n/a	=	810	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 4:05:00 PM	Total Organic Carbon	n/a	=	2.2	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 4:30:00 PM	Total Suspended Solids	n/a	DNQ	4	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 12:19:00 PM	Turbidity	n/a	=	0.46	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 6:54:00 PM	Diesel Range Organics	n/a	DNQ	0.086	mg/L	EPA 8015D	0.024	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/26/2017 1:25:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/26/2017 2:59:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 6:54:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:35:00 PM	Aluminum	Dissolved	DNQ	2.3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:57:00 PM	Aluminum	Total	=	23	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Antimony	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Arsenic	Dissolved	DNQ	0.37	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Arsenic	Total	DNQ	0.38	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Barium	Total	=	59	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Chromium	Dissolved	=	0.2	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Chromium	Total	DNQ	0.11	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/5/2017 8:00:00 AM	Chromium VI	n/a	=	0.064	µg/L	EPA 218.6	0.0048	0.02	WKL	EST
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Copper	Dissolved	=	0.78	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Copper	Total	=	0.94	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:38:00 PM	Iron	Dissolved	DNQ	9	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/8/2017 10:47:00 PM	Iron	Total	=	25	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:35:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:57:00 PM	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 3:54:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 3:56:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:35:00 PM	Nickel	Dissolved	=	0.88	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/15/2017 8:57:00 PM	Nickel	Total	=	0.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Selenium	Dissolved	=	2.7	µg/L	EPA 200.8	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Selenium	Total	=	2.8	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:27:00 PM	Zinc	Dissolved	DNQ	4.8	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:32:00 PM	Zinc	Total	DNQ	3.6	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 3:42:00 PM	Nitrate + Nitrite as N	n/a	=	2.7	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 2:34:00 PM	Phosphorus as P	Dissolved	DNQ	0.006	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/1/2017 2:11:00 PM	Phosphorus as P	Total	=	0.011	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRPD
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 4:44:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRPD
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.46	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.3	µg/L	EPA 625	0.18	1	WKL	UL-MB
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Diethyl phthalate	n/a	=	14	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 4:44:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Phenol	n/a	DNQ	0.28	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	Phenol	n/a	DNQ	0.4	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 6:31:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 5:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 8:51:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/2/2017 2:50:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/31/2017 5:45:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 9:00:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Simazine	n/a	DNQ	0.031	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	6/7/2017 1:35:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/25/2017 8:19:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2016/17-6	Dry	5/23/2017 11:10:00 AM	5/24/2017 10:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/21/2016 9:00:00 PM	E. Coli	n/a	=	86640	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/24/2016 8:05:00 AM	Fecal Coliform	n/a	=	210000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/21/2016 9:00:00 PM	Total Coliform	n/a	=	517200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	Conductivity	n/a	=	241.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0047	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	DO	n/a	=	9.23	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	DO	n/a	=	91.6	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	pH	n/a	=	7.65	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	Specific Conductance	n/a	=	279.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/20/2016 9:45:00 PM	Temperature	n/a	=	16.2	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/30/2016 5:29:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/24/2016 8:19:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2016/17-2	Wet	11/20/2016 9:45:00 PM	11/24/2016 8:19:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.086	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/12/2016 9:10:00 PM	Perchlorate	n/a	DNQ	1.3	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	16	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Calcium	Total	=	12.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Magnesium	Total	=	2.73	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Potassium	Total	=	4.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Sodium	Total	=	10	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/30/2016 3:00:00 PM	Alkalinity as CaCO3	n/a	=	31	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	25	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	140	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.6	mg/L	SM 5310 C	2	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	20	mg/L	SM 5310 C	0.13	3	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Hardness as CaCO3	Total	=	42	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.26	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/28/2016 11:26:00 AM	Phenolics	n/a	=	0.026	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	150	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	130	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	29	mg/L	SM 5310 C	0.09	3	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	86	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	27	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	37	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 4:35:00 AM	Diesel Range Organics	n/a	=	1.7	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 4:35:00 AM	Oil Range Organics	n/a	=	1.8	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Aluminum	Dissolved	=	33	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Aluminum	Total	=	1900	µg/L	EPA 200.8	6.5	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Antimony	Dissolved	=	0.87	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.37	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Barium	Total	=	34	µg/L	EPA 200.8	0.071	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 AM	Beryllium	Total	DNQ	0.083	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Cadmium	Dissolved	DNQ	0.062	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Cadmium	Total	DNQ	0.21	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Chromium	Dissolved	=	0.68	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Chromium	Total	=	4.6	µg/L	EPA 200.8	0.18	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.34	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Copper	Total	=	36	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 11:45:00 AM	Iron	Dissolved	=	67	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 12:26:00 PM	Iron	Total	=	2700	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Lead	Dissolved	=	0.26	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Lead	Total	=	4.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 2:37:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/2/2016 2:37:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Nickel	Dissolved	=	3.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Nickel	Total	=	7.7	µg/L	EPA 200.8	0.22	4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Selenium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Selenium	Total	DNQ	0.27	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Silver	Total	DNQ	0.092	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 5:46:00 PM	Thallium	Total	DNQ	0.027	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/7/2016 3:36:00 PM	Zinc	Dissolved	=	69	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/8/2016 5:11:00 PM	Zinc	Total	=	170	µg/L	EPA 200.8	4.7	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.81	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/22/2016 10:12:00 AM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 8:26:00 PM	Phosphorus as P	Dissolved	=	0.31	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 2:34:00 PM	Phosphorus as P	Total	=	0.77	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	3.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 8:45:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2,4-Dinitrophenol	n/a	DNQ	6.8	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.8	µg/L	EPA 8270C	0.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzenidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.3	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/16/2016 2:22:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	4,4'-DDE	n/a	DNQ	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	4,4'-DDT	n/a	DNQ	0.039	µg/L	EPA 608	0.039	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Aldrin	n/a	DNQ	0.02	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	alpha-BHC	n/a	DNQ	0.029	µg/L	EPA 608	0.018	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	beta-BHC	n/a	DNQ	0.035	µg/L	EPA 608	0.031	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	delta-BHC	n/a	=	0.058	µg/L	EPA 608	0.025	0.05	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Dichlorvos	n/a	DNQ	0.0099	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endosulfan I	n/a	DNQ	0.021	µg/L	EPA 608	0.017	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endosulfan II	n/a	DNQ	0.02	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Endrin aldehyde	n/a	DNQ	0.032	µg/L	EPA 608	0.03	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	gamma-BHC (Lindane)	n/a	DNQ	0.041	µg/L	EPA 608	0.021	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	11/28/2016 9:08:00 PM	Glyphosate	n/a	=	5.6	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Heptachlor	n/a	DNQ	0.023	µg/L	EPA 608	0.017	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Malathion	n/a	=	0.077	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Molineate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Naled	n/a	DNQ	0.0082	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/21/2016 8:48:00 PM	Pentachlorophenol	n/a	DNQ	4	µg/L	EPA 8270C	0.75	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Pentachlorophenol	n/a	DNQ	0.15	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/10/2016 12:51:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/4/2016 2:40:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/23/2016 11:42:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/1/2016 9:03:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-2	Wet	11/21/2016 8:45:00 AM	12/5/2016 7:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/16/2016 6:40:00 PM	E. Coli	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/19/2016 2:47:00 PM	Fecal Coliform	n/a	=	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/16/2016 6:40:00 PM	Total Coliform	n/a	=	34480	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Conductivity	n/a	=	95.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/27/2016 3:43:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	DO	n/a	=	92	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	DO	n/a	=	9.43	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Specific Conductance	n/a	=	120.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Temperature	n/a	=	14.2	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/21/2016 1:02:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/20/2016 6:23:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/20/2016 6:23:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	5.7	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.064	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 9:06:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	7.8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Calcium	Total	=	7.39	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Magnesium	Total	=	1.44	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Potassium	Total	=	2.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Sodium	Total	=	5.8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 1:30:00 AM	Alkalinity as CaCO3	n/a	=	25	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	61	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 2:46:00 PM	Dissolved Organic Carbon	Dissolved	=	6.4	mg/L	SM 5310 C	2	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/23/2016 9:50:00 AM	Dissolved Inorganic Carbon	Dissolved	=	8.4	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Hardness as CaCO3	Total	=	24.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.019	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Phenolics	n/a	=	0.013	mg/L	EPA 420.4	0.0042	0.01	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/20/2016 4:34:00 PM	Specific Conductance	n/a	=	100	µmhos/cm	SM 2510 B	0.23	2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	48	mg/L	SM 2540 C	4	10	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.045	1.5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	52	mg/L	SM 2540 D	-88	5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	23	NTU	EPA 180.1	0.024	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	18	mg/L	EPA 160.4	3.1	5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/5/2017 3:22:00 PM	Diesel Range Organics	n/a	=	0.69	mg/L	EPA 8015D	0.024	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/5/2017 3:22:00 PM	Oil Range Organics	n/a	=	0.74	mg/L	EPA 8015D	0.33	0.5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/3/2017 2:31:00 PM	Aluminum	Dissolved	=	19	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/3/2017 3:18:00 PM	Aluminum	Total	=	820	µg/L	EPA 200.8	13	50	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Antimony	Dissolved	=	0.63	µg/L	EPA 200.8	0.045	0.5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Antimony	Total	=	1	µg/L	EPA 200.8	0.045	0.5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Arsenic	Dissolved	=	0.82	µg/L	EPA 200.8	0.074	0.4	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Arsenic	Total	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Barium	Total	=	20	µg/L	EPA 200.8	0.071	0.5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Beryllium	Total	DNQ	0.046	µg/L	EPA 200.8	0.033	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Cadmium	Dissolved	DNQ	0.054	µg/L	EPA 200.8	0.041	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Chromium	Dissolved	=	0.52	µg/L	EPA 200.8	0.035	0.2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Chromium	Total	=	2.4	µg/L	EPA 200.8	0.035	0.2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.32	µg/L	EPA 218.6	0.0048	0.02	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Copper	Dissolved	=	8.5	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Copper	Total	=	19	µg/L	EPA 200.8	0.13	0.5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:25:00 PM	Iron	Dissolved	=	28	µg/L	EPA 200.7	1.1	10	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 6:28:00 PM	Iron	Total	=	1100	µg/L	EPA 200.7	1.1	10	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 2:53:00 PM	Lead	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.031	0.2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 3:15:00 PM	Lead	Total	=	2	µg/L	EPA 200.8	0.031	0.2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/30/2016 2:20:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/30/2016 2:22:00 PM	Mercury	Total	DNQ	29	ng/L	EPA 245.1	17	50	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Nickel	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.8	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Nickel	Total	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/30/2016 3:33:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/30/2016 3:51:00 PM	Selenium	Total	DNQ	0.3	µg/L	EPA 200.8	0.14	0.4	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 2:53:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 3:15:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 7:34:00 PM	Zinc	Dissolved	=	35	µg/L	EPA 200.8	0.94	5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 9:15:00 PM	Zinc	Total	=	78	µg/L	EPA 200.8	0.94	5	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.33	mg/L	EPA 350.1	0.048	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/20/2016 12:31:00 PM	Nitrate + Nitrite as N	n/a	=	0.72	mg/L	EPA 353.2	0.041	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/29/2016 4:54:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 1:00:00 PM	Phosphorus as P	Total	=	0.34	mg/L	EPA 365.1	0.0028	0.02	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL		
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL		

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.4	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:26:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 12:06:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Chlorpyrifos	n/a	DNQ	0.0097	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Dichlorvos	n/a	=	0.018	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/21/2016 3:48:00 PM	Glyphosate	n/a	=	6.8	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Malathion	n/a	=	0.049	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Naled	n/a	=	0.01	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/28/2016 11:41:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/10/2017 5:52:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/31/2016	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	1/6/2017 2:54:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/22/2016 12:33:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-3	Wet	12/16/2016 11:26:00 AM	12/27/2016 7:29:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/20/2017 6:10:00 AM	E. Coli	n/a	=	2359	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/22/2017 8:55:00 AM	Fecal Coliform	n/a	=	3000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/20/2017 6:10:00 AM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	Conductivity	n/a	=	35.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	2/2/2017	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	DO	n/a	=	9.92	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	DO	n/a	=	91.6	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	Specific Conductance	n/a	=	48.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/19/2017 2:35:00 AM	Temperature	n/a	=	11.5	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/21/2017 1:15:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	2/2/2017 10:49:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/20/2017 8:10:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 2:35:00 AM	1/20/2017 8:10:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	4.1	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 2:01:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	6	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Calcium	Total	=	6.06	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Magnesium	Total	=	1.24	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Potassium	Total	=	1.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Sodium	Total	=	4.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/1/2017 7:00:00 PM	Alkalinity as CaCO3	n/a	=	16	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	=	6	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	43	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.1	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 10:41:00 AM	Dissolved Inorganic Carbon	Dissolved	=	5.1	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Hardness as CaCO3	Total	=	20.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	=	0.099	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 9:02:00 AM	Phenolics	n/a	DNQ	0.0075	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	68	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/25/2017 8:30:00 PM	Total Dissolved Solids	n/a	=	39	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	5.8	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	75	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	19	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	22	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 3:35:00 PM	Diesel Range Organics	n/a	=	0.39	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 3:35:00 PM	Oil Range Organics	n/a	=	0.72	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Aluminum	Total	=	970	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Antimony	Dissolved	DNQ	0.31	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Antimony	Total	=	0.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Arsenic	Dissolved	=	0.61	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Arsenic	Total	=	0.99	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Barium	Total	=	19	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Beryllium	Total	DNQ	0.038	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Chromium	Dissolved	=	0.42	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Chromium	Total	=	2.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.21	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Copper	Dissolved	=	3.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Copper	Total	=	8.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:51:00 PM	Iron	Dissolved	=	22	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/30/2017 12:13:00 PM	Iron	Total	=	1400	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Lead	Dissolved	DNQ	0.076	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Lead	Total	=	2.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/26/2017 3:33:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/26/2017 3:35:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Nickel	Dissolved	DNQ	0.79	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Nickel	Total	=	2.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Selenium	Total	DNQ	0.15	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:46:00 PM	Zinc	Dissolved	=	23	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 5:50:00 PM	Zinc	Total	=	60	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.15	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/20/2017 11:38:00 AM	Nitrate + Nitrite as N	n/a	=	0.45	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/1/2017 6:38:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/1/2017 5:42:00 PM	Phosphorus as P	Total	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	0.87	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	1.8	µg/L	EPA 8270C	0.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzenidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 3:43:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 8:35:00 PM	Glyphosate	n/a	=	6.1	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Malathion	n/a	=	0.039	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/11/2017 7:57:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/8/2017 9:47:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Pentachlorophenol	n/a	DNQ	0.052	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/24/2017 2:37:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/14/2017 9:51:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	2/6/2017 7:32:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-5	Wet	1/19/2017 10:25:00 AM	1/27/2017 10:54:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/30/2017 3:48:00 PM	Chloride	n/a	=	190	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	0.78	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/31/2017 10:55:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/30/2017 3:48:00 PM	Sulfate	Total	=	360	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Calcium	Total	=	110	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Magnesium	Total	=	26.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Potassium	Total	=	18	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Sodium	Total	=	180	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	170	mg/L	SM 2320 B	0.56	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	=	8.9	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:03:00 PM	COD	n/a	=	66	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	40	mg/L	SM 5310 C	10	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	23	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Hardness as CaCO3	Total	=	383	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	=	0.18	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/22/2017 1:40:00 PM	Phenolics	n/a	=	0.038	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	1600	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	23	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	DNQ	4	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	1.6	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/25/2017 12:55:00 AM	Diesel Range Organics	n/a	=	0.24	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/25/2017 12:55:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/2/2017 1:28:00 PM	Aluminum	Dissolved	DNQ	2.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/2/2017 1:32:00 PM	Aluminum	Total	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Antimony	Dissolved	=	0.76	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Antimony	Total	=	0.73	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Arsenic	Dissolved	=	2.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Arsenic	Total	=	2.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Barium	Total	=	62	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Cadmium	Dissolved	DNQ	0.055	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Cadmium	Total	DNQ	0.073	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Chromium	Total	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	0.19	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Copper	Dissolved	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:34:00 PM	Iron	Dissolved	=	33	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/9/2017 10:49:00 PM	Iron	Total	=	76	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Lead	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Lead	Total	DNQ	0.15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 1:46:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 1:47:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Nickel	Dissolved	=	3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Nickel	Total	=	2.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Selenium	Dissolved	DNQ	0.25	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Selenium	Total	DNQ	0.29	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:11:00 PM	Zinc	Dissolved	=	5.2	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 12:57:00 PM	Zinc	Total	=	5.2	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/19/2017 11:54:00 AM	Nitrate + Nitrite as N	n/a	DNQ	0.082	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 1:17:00 PM	Phosphorus as P	Dissolved	=	0.32	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Phosphorus as P	Total	=	0.36	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	=	1.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.36	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Diethyl phthalate	n/a	=	1.2	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	Phenol	n/a	DNQ	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Phenol	n/a	DNQ	0.21	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 3:32:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	DCPA (Dacthal)	n/a	=	0.9	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Dichlorvos	n/a	DNQ	0.0036	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/23/2017 11:32:00 AM	Glyphosate	n/a	=	14	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Malathion	n/a	=	0.011	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/26/2017 8:37:00 AM	Pentachlorophenol	n/a	=	1.2	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 2:01:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 8:31:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/3/2017 1:37:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	5/24/2017 11:01:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:20:00 AM	6/15/2017 6:25:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	122	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	41	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/21/2017 3:40:00 PM	Fecal Coliform	n/a	=	220	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	22470	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	Conductivity	n/a	=	820	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	=	0.0024	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	DO	n/a	=	175.4	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	DO	n/a	=	13.73	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	pH	n/a	=	9.16	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	Specific Conductance	n/a	=	781	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/18/2017 11:25:00 AM	Temperature	n/a	=	27.6	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/19/2017 9:47:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/25/2017 4:16:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2016/17-6	Dry	5/18/2017 11:25:00 AM	5/25/2017 4:16:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	920800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	Conductivity	n/a	=	234.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.0032	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	DO	n/a	=	8.21	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	DO	n/a	=	87.5	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	pH	n/a	=	8.05	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	Specific Conductance	n/a	=	269.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	10/28/2016 7:00:00 AM	Temperature	n/a	=	19	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/2/2016 10:54:00 PM	Gasoline Range Organics	n/a	DNQ	0.046	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	3.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/2/2016 4:20:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 7:00:00 AM	11/2/2016 4:20:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 2:17:00 PM	Chloride	n/a	=	14	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.32	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/5/2016 1:49:00 PM	Perchlorate	n/a	=	6.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 2:17:00 PM	Sulfate	Total	=	60	mg/L	EPA 300.0	0.2	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Calcium	Total	=	35.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Magnesium	Total	=	9.19	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Potassium	Total	=	4.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Sodium	Total	=	16	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	74	mg/L	SM 2320 B	0.56	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 4:01:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 11:48:00 AM	COD	n/a	=	86	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	16	mg/L	SM 5310 C	2	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 4:26:00 PM	Dissolved Inorganic Carbon	Dissolved	=	11	mg/L	SM 5310 C	0.13	3	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Hardness as CaCO3	Total	=	127	mg/L	EPA 200.7	0.0894	0.662	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/29/2016 3:17:00 PM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 10:08:00 AM	Phenolics	n/a	=	0.02	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	310	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	200	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 C	0.09	3	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	330	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	120	NTU	EPA 180.1	0.24	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	82	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/28/2016 8:39:00 PM	Diesel Range Organics	n/a	=	0.7	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/28/2016 8:39:00 PM	Oil Range Organics	n/a	=	0.91	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Aluminum	Total	=	2600	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Antimony	Dissolved	=	0.85	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Arsenic	Total	=	2.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Barium	Total	=	68	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Beryllium	Total	=	0.1	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Cadmium	Dissolved	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Cadmium	Total	=	1.8	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Chromium	Dissolved	=	0.72	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Chromium	Total	=	13	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.42	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Copper	Dissolved	=	8.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Copper	Total	=	42	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 11:31:00 AM	Iron	Dissolved	=	52	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/2/2016 12:06:00 PM	Iron	Total	=	4500	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Lead	Dissolved	=	0.26	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Lead	Total	=	7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/18/2016 4:09:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/18/2016 4:11:00 PM	Mercury	Total	DNQ	42	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Nickel	Dissolved	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Nickel	Total	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Selenium	Dissolved	=	3.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Selenium	Total	=	3.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 6:22:00 PM	Zinc	Dissolved	=	15	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 7:42:00 PM	Zinc	Total	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.31	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/31/2016 3:57:00 PM	Nitrate + Nitrite as N	n/a	=	0.97	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/10/2016 1:20:00 PM	Phosphorus as P	Dissolved	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/7/2016 8:58:00 PM	Phosphorus as P	Total	=	0.62	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/7/2016 4:16:00 PM	TKN	n/a	=	2.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	3-4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/1/2016 8:12:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzo(a)pyrene	n/a	DNQ	1	µg/L	EPA 625	0.65	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzo(b)fluoranthene	n/a	DNQ	1.2	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Butyl benzyl phthalate	n/a	DNQ	1.3	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	DNQ	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 12:03:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/30/2016 5:33:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	2,4-DB	n/a	DNQ	1.3	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Chlorpyrifos	n/a	=	0.035	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	10/31/2016 8:26:00 PM	Glyphosate	n/a	=	8.1	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Malathion	n/a	=	0.046	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Pentachlorophenol	n/a	DNQ	0.086	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/15/2016 3:54:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	12/1/2016 8:03:00 AM	Pentachlorophenol	n/a	DNQ	5.9	µg/L	EPA 8270C	1.5	10	WKL	HB-LCSR
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/4/2016 3:08:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Simazine	n/a	=	4.4	µg/L	EPA 525.2	0.015	0.1	WKL	HB-LCSR
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0032	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/12/2016 7:47:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/8/2016 8:26:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-1	Wet	10/28/2016 1:18:00 PM	11/11/2016 8:12:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/21/2016 9:52:00 PM	E. Coli	n/a	=	7701	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/23/2016 6:15:00 AM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/21/2016 9:52:00 PM	Total Coliform	n/a	=	344800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	Conductivity	n/a	=	168.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0054	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	DO	n/a	=	91.3	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	DO	n/a	=	8.83	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	pH	n/a	=	7.67	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	Specific Conductance	n/a	=	202.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/20/2016 10:15:00 PM	Temperature	n/a	=	16.3	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	12/1/2016 3:01:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/24/2016 11:08:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2016/17-2	Wet	11/20/2016 10:15:00 PM	11/24/2016 11:08:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.089	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/12/2016 10:33:00 PM	Perchlorate	n/a	DNQ	1.8	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	66	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Calcium	Total	=	27.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Magnesium	Total	=	6.37	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Sodium	Total	=	12	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/30/2016 3:00:00 PM	Alkalinity as CaCO3	n/a	=	45	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	60	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 C	4	4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	13	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Hardness as CaCO3	Total	=	95.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.35	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/30/2016 9:45:00 AM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	290	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	220	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	16	mg/L	SM 5310 C	0.09	3	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	60	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	35	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	27	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 6:19:00 AM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 6:19:00 AM	Oil Range Organics	n/a	=	1.7	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Aluminum	Dissolved	=	20	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Aluminum	Total	=	610	µg/L	EPA 200.8	6.5	25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Antimony	Dissolved	=	0.63	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Antimony	Total	=	0.75	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Arsenic	Total	DNQ	1.4	µg/L	EPA 200.8	0.37	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Barium	Total	=	21	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Cadmium	Dissolved	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Cadmium	Total	DNQ	0.25	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Chromium	Total	=	3.2	µg/L	EPA 200.8	0.18	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Copper	Dissolved	=	9.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:00:00 PM	Iron	Dissolved	=	32	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 12:41:00 PM	Iron	Total	=	850	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Lead	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Lead	Total	=	1.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 3:01:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/2/2016 3:03:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	17	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Nickel	Total	=	4.7	µg/L	EPA 200.8	0.22	4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 6:15:00 PM	Thallium	Total	DNQ	0.016	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/7/2016 4:14:00 PM	Zinc	Dissolved	=	29	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/8/2016 5:32:00 PM	Zinc	Total	=	62	µg/L	EPA 200.8	4.7	25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.48	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/22/2016 10:21:00 AM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 8:33:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 3:22:00 PM	Phosphorus as P	Total	=	0.45	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	1.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 9:00:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Diethyl phthalate	n/a	DNQ	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/16/2016 4:08:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Chlorpyrifos	n/a	=	0.067	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	11/28/2016 10:01:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/14/2016 10:48:00 AM	Pentachlorophenol	n/a	DNQ	0.84	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/21/2016 10:21:00 PM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 8270C	0.75	5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Pentachlorophenol	n/a	DNQ	0.14	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/4/2016 7:29:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0038	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/23/2016 8:38:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/1/2016 12:18:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-2	Wet	11/21/2016 9:00:00 AM	12/5/2016 9:11:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/18/2016 6:43:00 PM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	204600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	Conductivity	n/a	=	308.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.0017	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	DO	n/a	=	9.25	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	DO	n/a	=	95.7	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	pH	n/a	=	7.94	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	Specific Conductance	n/a	=	359.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/15/2016 7:40:00 PM	Temperature	n/a	=	16.7	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/21/2016 6:07:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/20/2016 9:41:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2016/17-3	Wet	12/15/2016 7:40:00 PM	12/20/2016 9:41:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	8.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.07	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 11:10:00 PM	Perchlorate	n/a	DNQ	1.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	44	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Calcium	Total	=	19.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Magnesium	Total	=	4.45	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Potassium	Total	=	3.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Sodium	Total	=	8.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	33	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	5.5	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	47	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	8.7	mg/L	SM 5310 C	2.5	2.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	5.4	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Hardness as CaCO3	Total	=	68.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/17/2016 7:16:00 PM	MBAS	n/a	=	0.066	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 11:47:00 AM	Phenolics	n/a	DNQ	0.0077	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	210	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	120	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	6.6	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	88	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	47	NTU	EPA 180.1	0.24	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	19	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/5/2017 5:43:00 PM	Diesel Range Organics	n/a	=	0.28	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/5/2017 5:43:00 PM	Oil Range Organics	n/a	=	0.54	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/3/2017 2:39:00 PM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/3/2017 2:59:00 PM	Aluminum	Total	=	1500	µg/L	EPA 200.8	26	100	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Antimony	Dissolved	DNQ	0.43	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Antimony	Total	=	0.92	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Arsenic	Dissolved	=	0.95	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Arsenic	Total	=	2	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Barium	Total	=	40	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Beryllium	Total	DNQ	0.082	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Cadmium	Dissolved	=	0.28	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Cadmium	Total	=	1.6	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Chromium	Dissolved	=	0.87	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Chromium	Total	=	5.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.6	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Copper	Dissolved	=	4.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:03:00 PM	Iron	Dissolved	=	26	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 7:06:00 PM	Iron	Total	=	2400	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 3:01:00 PM	Lead	Dissolved	DNQ	0.056	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 3:24:00 PM	Lead	Total	=	2.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/30/2016 2:43:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/30/2016 2:45:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Nickel	Total	=	9.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/30/2016 3:40:00 PM	Selenium	Dissolved	=	0.88	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/30/2016 3:58:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 3:01:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 3:24:00 PM	Thallium	Total	DNQ	0.13	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 8:10:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:52:00 PM	Zinc	Total	=	67	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.18	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/20/2016 1:18:00 PM	Nitrate + Nitrite as N	n/a	=	0.98	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/29/2016 5:07:00 PM	Phosphorus as P	Dissolved	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 1:29:00 PM	Phosphorus as P	Total	=	0.39	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 9:20:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	3-4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzenzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 3:02:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Chlorpyrifos	n/a	=	0.036	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	DACP (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/21/2016 4:53:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Malathion	n/a	=	0.026	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/10/2017 8:26:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Pentachlorophenol	n/a	DNQ	0.098	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 2:20:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/31/2016 5:27:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/28/2016 4:36:00 PM	Simazine	n/a	=	0.48	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	1/7/2017 5:48:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/22/2016 2:42:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-3	Wet	12/16/2016 9:20:00 AM	12/27/2016 9:12:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 1:06:00 PM	Chloride	n/a	=	81	mg/L	EPA 300.0	0.2	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 1:06:00 PM	Fluoride	n/a	=	0.87	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/12/2017 11:06:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 1:06:00 PM	Sulfate	Total	=	440	mg/L	EPA 300.0	1	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 10:30:00 AM	E. Coli	n/a	=	1014	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 3:30:00 PM	Enterococcus	n/a	=	1532	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 7:00:00 AM	Fecal Coliform	n/a	=	4600	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 10:30:00 AM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Calcium	Total	=	158	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Magnesium	Total	=	49	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Potassium	Total	=	5.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Sodium	Total	=	89	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 4:37:00 PM	Alkalinity as CaCO3	n/a	=	230	mg/L	SM 2320 B	0.56	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 5:55:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 6:58:00 PM	COD	n/a	=	7.4	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	Conductivity	n/a	=	737	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 12:26:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 2:09:00 PM	Dissolved Inorganic Carbon	Dissolved	=	64	mg/L	SM 5310 C	5	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 3:39:00 PM	Dissolved Organic Carbon	Dissolved	=	3.1	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	DO	n/a	=	7.64	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	DO	n/a	=	80.8	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Hardness as CaCO3	Total	=	596	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 6:56:00 PM	MBAS	n/a	DNQ	0.039	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	pH	n/a	=	8.14	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/12/2017 11:25:00 AM	Phenolics	n/a	DNQ	0.0043	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 12:56:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	Specific Conductance	n/a	=	853	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/4/2017 8:20:00 AM	Temperature	n/a	=	17.9	°C	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 6:38:00 PM	Total Dissolved Solids	n/a	=	1000	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/9/2017 11:04:00 AM	Total Organic Carbon	n/a	=	2.8	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 4:45:00 PM	Total Suspended Solids	n/a	=	5	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 4:14:00 PM	Turbidity	n/a	=	0.97	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 4:45:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 8:07:00 PM	Diesel Range Organics	n/a	DNQ	0.079	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/9/2017 3:16:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/12/2017 4:00:00 PM	Oil and Grease	n/a	DNQ	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 8:07:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Aluminum	Dissolved	DNQ	4.7	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Aluminum	Total	=	14	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Antimony	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Antimony	Total	DNQ	0.31	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Arsenic	Dissolved	=	0.74	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Arsenic	Total	=	0.73	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Barium	Total	=	31	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 3:49:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 4:01:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Cadmium	Dissolved	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Cadmium	Total	=	0.26	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Chromium	Dissolved	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Chromium	Total	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/8/2017 3:00:00 PM	Chromium VI	n/a	=	0.18	µg/L	EPA 218.6	0.0048	0.02	WKL	EST
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Copper	Total	=	5.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/14/2017 11:08:00 AM	Iron	Dissolved	DNQ	6	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 9:31:00 AM	Iron	Total	=	37	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Lead	Total	DNQ	0.073	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 3:48:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 3:50:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Nickel	Total	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 3:49:00 PM	Selenium	Dissolved	=	5.9	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 4:01:00 PM	Selenium	Total	=	5.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:43:00 PM	Zinc	Dissolved	=	5.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/11/2017 5:47:00 PM	Zinc	Total	=	5	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 9:56:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 10:29:00 PM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 12:59:00 PM	Phosphorus as P	Dissolved	=	0.095	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 12:43:00 PM	Phosphorus as P	Total	=	0.1	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/15/2017 4:21:00 PM	TKN	n/a	=	0.27	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	LB-LCSR
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/9/2017 9:12:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.39	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Diethyl phthalate	n/a	DNQ	0.38	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/9/2017 9:12:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/17/2017 12:27:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 2:24:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 2:24:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/10/2017 8:05:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 4:59:00 AM	Pentachlorophenol	n/a	DNQ	0.96	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/23/2017 9:41:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/13/2017 1:54:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Simazine	n/a	DNQ	0.091	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/19/2017 2:20:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/16/2017 9:03:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2016/17-6	Dry	5/4/2017 8:20:00 AM	5/5/2017 5:24:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/3/2017 9:30:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/3/2017 9:30:00 AM	Total Coliform	n/a	=	74	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 11:25:00 AM	Calcium	Total	=	147	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 11:25:00 AM	Magnesium	Total	=	42.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Conductivity	n/a	=	1120	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Discharge	n/a	=	0.06	cfs	Field Estimate	-88	0.01	Field Crew	EST
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	DO	n/a	=	13.69	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	DO	n/a	=	163.1	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 11:25:00 AM	Hardness as CaCO3	Total	=	540	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	pH	n/a	=	8.34	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Specific Conductance	n/a	=	1104	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Temperature	n/a	=	24.7	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/17/2017 3:38:00 AM	Total Organic Carbon	n/a	=	4.1	mg/L	SM 5310 C	0.0331	0.3	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/2/2017 9:45:00 AM	Turbidity	n/a	=	1.52	NTU	Field Meter	-88	0.01	Field Crew	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 2:32:00 PM	Copper	Dissolved	=	7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 2:32:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2017-DRY	Dry	8/2/2017 9:45:00 AM	8/9/2017 2:32:00 PM	Zinc	Dissolved	=	23	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/21/2016 9:20:00 PM	E. Coli	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/24/2016 8:00:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/21/2016 9:20:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	Conductivity	n/a	=	6790	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	DO	n/a	=	4.85	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	DO	n/a	=	58.3	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	pH	n/a	=	7.48	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	Salinity	n/a	=	5000	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	Specific Conductance	n/a	=	8400	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/20/2016 10:40:00 PM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	12/1/2016 5:30:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/24/2016 12:05:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2016/17-2	Wet	11/20/2016 10:40:00 PM	11/24/2016 12:05:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	3000	mg/L	EPA 300.0	1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.27	mg/L	EPA 300.0	0.2	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 12:15:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	710	mg/L	EPA 300.0	1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Calcium	Total	=	187	mg/L	EPA 200.7	0.032	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Magnesium	Total	=	203	mg/L	EPA 200.7	0.024	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Potassium	Total	=	63	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Sodium	Total	=	1100	mg/L	EPA 200.7	0.03	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/3/2016 6:07:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 4:32:00 PM	COD	n/a	=	89	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	56	mg/L	SM 5310 C	10	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	9.3	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Hardness as CaCO3	Total	=	1300	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/22/2016 6:50:00 PM	MBAS	n/a	=	0.3	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/30/2016 9:52:00 AM	Phenolics	n/a	=	0.024	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/26/2016 3:08:00 PM	Specific Conductance	n/a	=	9200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	5600	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	210	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	42	NTU	EPA 180.1	0.048	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	59	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 10:24:00 AM	Diesel Range Organics	n/a	=	0.6	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 10:24:00 AM	Oil Range Organics	n/a	=	0.69	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Aluminum	Dissolved	DNQ	4.2	µg/L	EPA 200.8	2.6	10	WKL	UL-MB
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	2.6	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Antimony	Dissolved	DNQ	0.46	µg/L	EPA 200.8	0.09	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Antimony	Total	DNQ	0.76	µg/L	EPA 200.8	0.09	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.15	0.8	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Arsenic	Total	=	2.9	µg/L	EPA 200.8	0.15	0.8	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Barium	Total	=	79	µg/L	EPA 200.8	0.14	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Beryllium	Dissolved	<	0.066	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Beryllium	Total	<	0.066	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Cadmium	Dissolved	<	0.082	µg/L	EPA 200.8	0.082	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Cadmium	Total	=	0.34	µg/L	EPA 200.8	0.082	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Chromium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.07	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Chromium	Total	=	3.4	µg/L	EPA 200.8	0.07	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Copper	Dissolved	=	1.1	µg/L	EPA 200.8	0.26	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Copper	Total	=	12	µg/L	EPA 200.8	0.26	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 10:52:00 AM	Iron	Dissolved	=	97	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/7/2016 11:27:00 AM	Iron	Total	=	5000	µg/L	EPA 200.7	2.2	20	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Lead	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.062	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Lead	Total	=	4.9	µg/L	EPA 200.8	0.062	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 3:33:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/2/2016 3:35:00 PM	Mercury	Total	=	55	ng/L	EPA 245.1	17	50	WKL	UL-MB
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Nickel	Dissolved	=	2.5	µg/L	EPA 200.8	0.09	1.6	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Nickel	Total	=	5.4	µg/L	EPA 200.8	0.09	1.6	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Selenium	Dissolved	DNQ	0.58	µg/L	EPA 200.8	0.28	0.8	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Selenium	Total	=	0.82	µg/L	EPA 200.8	0.28	0.8	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Silver	Dissolved	<	0.12	µg/L	EPA 200.8	0.12	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Silver	Total	<	0.12	µg/L	EPA 200.8	0.12	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Thallium	Dissolved	<	0.028	µg/L	EPA 200.8	0.028	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Thallium	Total	DNQ	0.04	µg/L	EPA 200.8	0.028	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 5:44:00 PM	Zinc	Dissolved	=	22	µg/L	EPA 200.8	1.9	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/13/2016 6:13:00 PM	Zinc	Total	=	86	µg/L	EPA 200.8	1.9	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.64	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/22/2016 10:33:00 AM	Nitrate + Nitrite as N	n/a	=	0.39	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 8:44:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 3:29:00 PM	Phosphorus as P	Total	=	0.58	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	3	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	3-4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.7	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Dimethyl phthalate	n/a	DNQ	4.5	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/16/2016 8:47:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	DCCA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	11/28/2016 11:17:00 PM	Glyphosate	n/a	DNQ	4.7	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Malathion	n/a	=	0.01	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/14/2016 12:55:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/22/2016 12:55:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/4/2016 10:30:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/20/2016 2:34:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/1/2016 2:01:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-2	Wet	11/21/2016 9:20:00 AM	12/5/2016 11:19:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/16/2016 7:00:00 PM	E. Coli	n/a	=	3578	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/17/2016 8:30:00 PM	Fecal Coliform	n/a	=	3500	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/16/2016 7:00:00 PM	Total Coliform	n/a	=	61310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	Conductivity	n/a	=	11700	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	DO	n/a	=	6.01	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	DO	n/a	=	64.9	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	pH	n/a	=	7.44	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	Salinity	n/a	=	7500	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	Specific Conductance	n/a	=	12800	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/15/2016 7:15:00 PM	Temperature	n/a	=	16.1	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/21/2016 7:08:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/20/2016 10:38:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2016/17-3	Wet	12/15/2016 7:15:00 PM	12/20/2016 10:38:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	1400	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.23	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 12:52:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	370	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Calcium	Total	=	100	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Magnesium	Total	=	113	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Potassium	Total	=	35	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Sodium	Total	=	680	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	7.5	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	50	mg/L	EPA 410.4	0.73	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	34	mg/L	SM 5310 C	5	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	3.9	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Hardness as CaCO3	Total	=	717	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.16	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/29/2016 11:08:00 AM	Phenolics	n/a	=	0.029	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 1:48:00 PM	Specific Conductance	n/a	=	5300	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	2700	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	7.1	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/23/2016 4:50:00 PM	Total Suspended Solids	n/a	=	46	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	31	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/23/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	15	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/5/2017 9:50:00 PM	Diesel Range Organics	n/a	=	0.39	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/5/2017 9:50:00 PM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Aluminum	Dissolved	DNQ	2.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Aluminum	Total	=	400	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 4:17:00 PM	Antimony	Dissolved	=	0.52	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 4:22:00 PM	Antimony	Total	=	0.75	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Arsenic	Dissolved	=	0.82	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Barium	Total	=	38	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Cadmium	Dissolved	DNQ	0.082	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Cadmium	Total	=	0.19	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Chromium	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Chromium	Total	=	1.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.054	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Copper	Dissolved	=	2.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Copper	Total	=	6.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:10:00 PM	Iron	Dissolved	=	38	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 4:13:00 PM	Iron	Total	=	2000	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Lead	Dissolved	DNQ	0.042	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Lead	Total	=	1.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 3:24:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 3:26:00 PM	Mercury	Total	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Nickel	Dissolved	=	3.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Nickel	Total	=	4.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 3:12:00 PM	Selenium	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 3:16:00 PM	Selenium	Total	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Silver	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Silver	Total	DNQ	0.071	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:20:00 PM	Zinc	Dissolved	=	11	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/4/2017 1:42:00 PM	Zinc	Total	=	32	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.43	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/20/2016 1:30:00 PM	Nitrate + Nitrite as N	n/a	=	0.31	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/29/2016 5:14:00 PM	Phosphorus as P	Dissolved	=	0.09	mg/L	EPA 365.1	0.0014	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 1:36:00 PM	Phosphorus as P	Total	=	0.3	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/23/2016 2:54:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2-Methylphenol	n/a	DNQ	0.35	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	EST-LCSRPD
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.51	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzenzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Dimethyl phthalate	n/a	DNQ	4.8	µg/L	EPA 625	0.9	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 5:57:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Dichlorvos	n/a	DNQ	0.0048	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/21/2016 8:13:00 PM	Glyphosate	n/a	DNQ	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Molinat	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/10/2017 11:00:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/30/2016 9:50:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/31/2016 8:29:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	1/7/2017 11:57:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/22/2016 4:51:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-3	Wet	12/16/2016 10:18:00 AM	12/27/2016 10:54:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/20/2017 6:10:00 AM	E. Coli	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/22/2017 8:50:00 AM	Fecal Coliform	n/a	=	7000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/20/2017 6:10:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	Conductivity	n/a	=	8300	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	2/2/2017	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	DO	n/a	=	74	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	DO	n/a	=	7.66	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	pH	n/a	=	7.08	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	Specific Conductance	n/a	=	10540	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/19/2017 1:05:00 AM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/21/2017 2:16:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	2/2/2017 10:49:00 AM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/20/2017 9:07:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 1:05:00 AM	1/20/2017 9:07:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/23/2017 4:50:00 PM	Chloride	n/a	=	670	mg/L	EPA 300.0	5	25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/23/2017 4:50:00 PM	Fluoride	n/a	<	1	mg/L	EPA 300.0	1	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 2:42:00 AM	Perchlorate	n/a	<	3.8	µg/L	EPA 314.0	3.8	8	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/23/2017 4:50:00 PM	Sulfate	Total	=	220	mg/L	EPA 300.0	5	25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 10:19:00 PM	Calcium	Total	=	73.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Magnesium	Total	=	66.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Potassium	Total	=	18	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Sodium	Total	=	380	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/29/2017 12:52:00 PM	Alkalinity as CaCO3	n/a	=	91	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/31/2017 10:54:00 AM	BOD	n/a	=	3.7	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/26/2017 4:44:00 PM	COD	n/a	=	36	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	23	mg/L	SM 5310 C	5	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	3.1	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Hardness as CaCO3	Total	=	457	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 7:44:00 PM	MBAS	n/a	=	0.12	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:05:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/28/2017 1:48:00 PM	Specific Conductance	n/a	=	3100	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/25/2017 8:30:00 PM	Total Dissolved Solids	n/a	=	1700	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	4	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	48	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	20	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	21	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 4:46:00 PM	Diesel Range Organics	n/a	=	0.14	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 4:46:00 PM	Oil Range Organics	n/a	DNQ	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Aluminum	Dissolved	=	5	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Aluminum	Total	=	510	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Antimony	Dissolved	DNQ	0.41	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Antimony	Total	=	0.51	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Arsenic	Dissolved	=	0.5	µg/L	EPA 200.8	0.074	0.4	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Arsenic	Total	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Barium	Total	=	29	µg/L	EPA 200.8	0.071	0.5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Cadmium	Total	=	0.15	µg/L	EPA 200.8	0.041	0.1	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Chromium	Dissolved	=	0.24	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Chromium	Total	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.071	µg/L	EPA 218.6	0.0048	0.02	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Copper	Total	=	4.5	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:57:00 PM	Iron	Dissolved	=	18	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/30/2017 12:19:00 PM	Iron	Total	=	1800	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Lead	Dissolved	DNQ	0.047	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Lead	Total	=	2.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/26/2017 3:41:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/26/2017 3:43:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Nickel	Dissolved	=	0.95	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Nickel	Total	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Selenium	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Selenium	Total	DNQ	0.26	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:23:00 PM	Zinc	Dissolved	=	7.8	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 4:19:00 PM	Zinc	Total	=	25	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.32	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/20/2017 11:43:00 AM	Nitrate + Nitrite as N	n/a	=	0.3	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/1/2017 6:47:00 PM	Phosphorus as P	Dissolved	=	0.073	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/1/2017 5:45:00 PM	Phosphorus as P	Total	=	0.26	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/25/2017 7:48:00 PM	TKN	n/a	=	0.93	mg/L	EPA 351.2	0.05	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Diethyl phthalate	n/a	DNQ	0.19	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Dimethyl phthalate	n/a	=	4	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 4:53:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Chlorpyrifam	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 9:01:00 PM	Glyphosate	n/a	DNQ	4.1	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/8/2017 10:44:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Pentachlorophenol	n/a	DNQ	0.056	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/11/2017 8:57:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/24/2017 6:14:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/14/2017 10:52:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	2/6/2017 8:24:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	EST-MSRPD
MO-HUE	2016/17-5	Wet	1/19/2017 12:25:00 PM	1/27/2017 9:38:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/5/2017 3:08:00 PM	Chloride	n/a	=	3200	mg/L	EPA 300.0	6	30	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/5/2017 3:08:00 PM	Fluoride	n/a	=	0.7	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/20/2017 7:40:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/5/2017 3:08:00 PM	Sulfate	Total	=	1100	mg/L	EPA 300.0	6	30	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 9:00:00 AM	E. Coli	n/a	=	1187	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 3:00:00 PM	Enterococcus	n/a	=	256	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 9:15:00 AM	Fecal Coliform	n/a	=	1700	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 9:00:00 AM	Total Coliform	n/a	=	92080	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Calcium	Total	=	310	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Magnesium	Total	=	289	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Potassium	Total	=	93	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/11/2017 9:46:00 AM	Sodium	Total	=	1500	mg/L	EPA 200.7	0.15	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 1:13:00 PM	Alkalinity as CaCO3	n/a	=	360	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/29/2017 4:45:00 PM	BOD	n/a	=	7.5	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 2:38:00 PM	COD	n/a	=	200	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	Conductivity	n/a	=	7700	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 6:32:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 2:08:00 PM	Dissolved Inorganic Carbon	Dissolved	=	110	mg/L	SM 5310 C	20	20	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/5/2017 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	3.3	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	DO	n/a	=	13.53	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	DO	n/a	=	153.4	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Hardness as CaCO3	Total	=	1960	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 6:58:00 PM	MBAS	n/a	DNQ	0.14	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	pH	n/a	=	7.9	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 10:18:00 AM	Phenolics	n/a	=	0.04	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	Salinity	n/a	=	4800	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	Specific Conductance	n/a	=	8500	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 2:43:00 PM	Specific Conductance	n/a	=	11000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 12:20:00 PM	Temperature	n/a	=	20.3	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/23/2017 7:30:00 PM	Total Dissolved Solids	n/a	=	7000	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 4:05:00 PM	Total Organic Carbon	n/a	=	4.4	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 4:30:00 PM	Total Suspended Solids	n/a	=	24	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 12:19:00 PM	Turbidity	n/a	=	5.4	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 4:30:00 PM	Volatile Suspended Solids	n/a	=	12	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 8:03:00 PM	Diesel Range Organics	n/a	DNQ	0.07	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 2:26:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 2:59:00 PM	Oil and Grease	n/a	DNQ	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 8:03:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 8:50:00 PM	Aluminum	Dissolved	DNQ	2.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 9:12:00 PM	Aluminum	Total	=	89	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Antimony	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Antimony	Total	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Arsenic	Total	=	2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Barium	Total	=	82	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Cadmium	Total	DNQ	0.066	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Chromium	Dissolved	=	0.27	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Chromium	Total	=	0.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/6/2017 5:08:00 AM	Chromium VI	n/a	<	0.048	µg/L	EPA 218.6	0.048	0.2	WKL	EST
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Copper	Dissolved	=	0.58	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Copper	Total	=	0.72	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:44:00 PM	Iron	Dissolved	=	46	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/8/2017 10:52:00 PM	Iron	Total	=	930	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 8:50:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 9:12:00 PM	Lead	Total	DNQ	0.14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 4:01:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 4:03:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 8:50:00 PM	Nickel	Dissolved	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/15/2017 9:12:00 PM	Nickel	Total	=	2.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Selenium	Dissolved	=	0.56	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Selenium	Total	=	0.63	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:44:00 PM	Zinc	Dissolved	DNQ	3.2	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 1:48:00 PM	Zinc	Total	DNQ	4.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	=	0.2	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 3:46:00 PM	Nitrate + Nitrite as N	n/a	DNQ	0.091	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 2:40:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/1/2017 2:18:00 PM	Phosphorus as P	Total	=	0.32	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/26/2017 6:01:00 PM	TKN	n/a	=	1.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRPD
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 5:40:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRPD
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.34	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Dimethyl phthalate	n/a	=	4.6	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 5:40:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 7:38:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	2,4,5-T	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	2,4,5-TP	n/a	<	0.18	µg/L	EPA 515.3	0.18	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	2,4-DB	n/a	<	0.14	µg/L	EPA 515.3	0.14	4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.18	µg/L	EPA 515.3	0.18	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Acifluorfen	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Bentazon	n/a	<	0.22	µg/L	EPA 515.3	0.22	4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 5:58:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Dalapon	n/a	<	0.2	µg/L	EPA 515.3	0.2	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	DCPA (Dacthal)	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Dicamba	n/a	<	0.24	µg/L	EPA 515.3	0.24	1.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Dichlorprop	n/a	<	0.16	µg/L	EPA 515.3	0.16	0.6	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Dinoseb	n/a	<	0.28	µg/L	EPA 515.3	0.28	0.8	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 9:17:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/31/2017 6:42:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/2/2017 3:48:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Pentachlorophenol	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.4	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 10:12:00 PM	Picloram	n/a	<	0.1	µg/L	EPA 515.3	0.1	1.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.1	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	6/7/2017 2:36:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/25/2017 9:11:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2016/17-6	Dry	5/23/2017 12:20:00 PM	5/24/2017 11:49:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	61310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	Conductivity	n/a	=	152.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.0033	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	DO	n/a	=	82	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	DO	n/a	=	7.73	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	pH	n/a	=	7.67	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	Specific Conductance	n/a	=	171.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	10/28/2016 5:55:00 AM	Temperature	n/a	=	18.2	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/2/2016 8:52:00 PM	Gasoline Range Organics	n/a	DNQ	0.05	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/2/2016 2:50:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 5:55:00 AM	11/2/2016 2:50:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.17	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/5/2016 12:46:00 PM	Perchlorate	n/a	=	3.7	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	21	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Calcium	Total	=	22	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Magnesium	Total	=	6.94	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Potassium	Total	=	14	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Sodium	Total	=	8.9	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	84	mg/L	SM 2320 B	0.56	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	79	mg/L	SM 5210 B	2	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	450	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	17	mg/L	SM 5310 C	2	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	75	mg/L	SM 5310 C	0.52	12	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Hardness as CaCO3	Total	=	83.5	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	=	1.1	mg/L	SM 5540 C	0.19	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 10:06:00 AM	Phenolics	n/a	=	0.1	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	230	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	97	mg/L	SM 5310 C	0.72	24	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	1000	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	270	NTU	EPA 180.1	0.48	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	340	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/28/2016 7:28:00 PM	Diesel Range Organics	n/a	=	1.5	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/28/2016 7:28:00 PM	Oil Range Organics	n/a	=	1.9	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Aluminum	Dissolved	=	100	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Aluminum	Total	=	5600	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Antimony	Dissolved	=	0.89	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Antimony	Total	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Arsenic	Total	=	3.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Barium	Total	=	120	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Beryllium	Total	=	0.22	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Cadmium	Total	=	0.43	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.27	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Copper	Dissolved	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Copper	Total	=	45	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:22:00 AM	Iron	Dissolved	=	170	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/2/2016 11:58:00 AM	Iron	Total	=	6800	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Lead	Dissolved	=	1.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Lead	Total	=	16	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/18/2016 3:50:00 PM	Mercury	Dissolved	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/18/2016 3:52:00 PM	Mercury	Total	=	97	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Nickel	Dissolved	=	8.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Nickel	Total	=	22	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Selenium	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Selenium	Total	=	0.42	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Silver	Total	DNQ	0.08	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Thallium	Total	DNQ	0.05	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 6:00:00 PM	Zinc	Dissolved	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Zinc	Total	=	260	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	1.6	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/31/2016 12:22:00 PM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.041	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/10/2016 1:16:00 PM	Phosphorus as P	Dissolved	=	1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/7/2016 8:09:00 PM	Phosphorus as P	Total	=	1.8	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	8.7	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2-Methylphenol	n/a	DNQ	8.8	µg/L	EPA 8270C	3.4	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	3-4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 4:24:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	2,4-DB	n/a	=	8	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:21:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	10/31/2016 7:43:00 PM	Glyphosate	n/a	=	17	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/15/2016 2:50:00 PM	Pentachlorophenol	n/a	=	6.2	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Pentachlorophenol	n/a	=	0.42	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/30/2016 11:03:00 PM	Pentachlorophenol	n/a	DNQ	6.8	µg/L	EPA 8270C	1.5	10	WKL	HB-LCSR
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/4/2016 1:20:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/12/2016 2:40:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/8/2016 7:09:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-1	Wet	10/28/2016 9:15:00 AM	11/11/2016 7:21:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/21/2016 9:45:00 PM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/24/2016 8:00:00 AM	Fecal Coliform	n/a	=	24000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/21/2016 9:45:00 PM	Total Coliform	n/a	=	1732900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	Conductivity	n/a	=	193.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0035	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	DO	n/a	=	86	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	DO	n/a	=	8.58	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	pH	n/a	=	7.89	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	Specific Conductance	n/a	=	236	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/20/2016 10:25:00 PM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/30/2016 6:36:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	DNQ	3.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/24/2016 9:15:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2016/17-2	Wet	11/20/2016 10:25:00 PM	11/24/2016 9:15:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	5.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.052	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	6.6	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Calcium	Total	=	10.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Magnesium	Total	=	2.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Potassium	Total	=	6.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Sodium	Total	=	4.3	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	190	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Hardness as CaCO3	Total	=	38.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 9:41:00 AM	Phenolics	n/a	=	0.13	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Aluminum	Dissolved	=	42	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Aluminum	Total	=	1900	µg/L	EPA 200.8	6.5	25	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Antimony	Dissolved	=	0.55	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Antimony	Total	=	0.79	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Arsenic	Total	DNQ	1.6	µg/L	EPA 200.8	0.37	2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Barium	Total	=	37	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Beryllium	Total	DNQ	0.068	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Cadmium	Dissolved	DNQ	0.046	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Cadmium	Total	<	0.2	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Chromium	Dissolved	=	0.67	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Chromium	Total	=	4.3	µg/L	EPA 200.8	0.18	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Copper	Dissolved	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Copper	Total	=	23	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 11:51:00 AM	Iron	Dissolved	=	57	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 12:32:00 PM	Iron	Total	=	2300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Lead	Dissolved	=	0.64	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Lead	Total	=	5.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 2:46:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/2/2016 2:48:00 PM	Mercury	Total	=	58	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Nickel	Dissolved	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Nickel	Total	=	8.9	µg/L	EPA 200.8	0.22	4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Selenium	Total	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 5:59:00 PM	Thallium	Total	DNQ	0.021	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/7/2016 3:44:00 PM	Zinc	Dissolved	=	52	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/8/2016 5:20:00 PM	Zinc	Total	=	120	µg/L	EPA 200.8	4.7	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	1.2	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/22/2016 10:14:00 AM	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/5/2016 8:28:00 PM	Phosphorus as P	Dissolved	=	0.52	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/5/2016 2:36:00 PM	Phosphorus as P	Total	=	0.96	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	4.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Ethioprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/28/2016 9:21:00 PM	Glyphosate	n/a	DNQ	3.8	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Pentachlorophenol	n/a	=	0.52	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/4/2016 3:16:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	12/23/2016 12:13:00 PM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-MEI	2016/17-2	Wet	11/21/2016 9:58:00 AM	11/30/2016 11:52:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/19/2016 2:43:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Conductivity	n/a	=	63.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.001	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	DO	n/a	=	89.2	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	DO	n/a	=	9.2	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	pH	n/a	=	7.75	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Specific Conductance	n/a	=	81.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/21/2016 2:03:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/22/2016 11:30:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/20/2016 7:20:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/20/2016 7:20:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	2.2	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.035	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 9:47:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	3.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Calcium	Total	=	5.59	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Magnesium	Total	=	1.62	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Potassium	Total	=	3.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Sodium	Total	=	2.1	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	22	mg/L	SM 2320 B	0.56	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	9.4	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	43	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.2	mg/L	SM 5310 C	2	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8.7	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Hardness as CaCO3	Total	=	20.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	DNQ	0.045	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 11:43:00 AM	Phenolics	n/a	=	0.019	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	64	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	35	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	220	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	87	NTU	EPA 180.1	0.24	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	61	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/5/2017 4:33:00 PM	Diesel Range Organics	n/a	=	0.61	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/5/2017 4:33:00 PM	Oil Range Organics	n/a	=	1.3	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/3/2017 2:34:00 PM	Aluminum	Dissolved	=	39	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/3/2017 2:55:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	13	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Antimony	Dissolved	DNQ	0.28	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Antimony	Total	DNQ	0.35	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Arsenic	Dissolved	=	0.64	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Arsenic	Total	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Barium	Total	=	23	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Beryllium	Total	DNQ	0.062	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Cadmium	Total	DNQ	0.046	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Chromium	Dissolved	=	0.44	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Chromium	Total	=	2.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.19	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Copper	Dissolved	=	3.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Copper	Total	=	6.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:37:00 PM	Iron	Dissolved	=	45	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 6:40:00 PM	Iron	Total	=	1300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 2:56:00 PM	Lead	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 3:19:00 PM	Lead	Total	=	1.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/30/2016 2:28:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/30/2016 2:30:00 PM	Mercury	Total	DNQ	24	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Nickel	Total	=	4.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/30/2016 3:36:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/30/2016 3:54:00 PM	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 10:00:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 2:56:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 3:19:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 7:48:00 PM	Zinc	Dissolved	=	9.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 9:30:00 PM	Zinc	Total	=	26	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.048	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/20/2016 12:36:00 PM	Nitrate + Nitrite as N	n/a	=	0.5	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/29/2016 4:57:00 PM	Phosphorus as P	Dissolved	=	0.24	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:12:00 PM	Phosphorus as P	Total	=	0.32	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzenidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 1:17:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/21/2016 4:14:00 PM	Glyphosate	n/a	=	22	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Pentachlorophenol	n/a	DNQ	0.18	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/28/2016 12:45:00 PM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 625	0.95	5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/10/2017 6:53:00 PM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/31/2016 3:38:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	1/7/2017 4:47:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/22/2016 1:25:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-3	Wet	12/16/2016 10:00:00 AM	12/27/2016 8:21:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/20/2017 6:50:00 AM	E. Coli	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/23/2017 7:25:00 AM	Fecal Coliform	n/a	=	170000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/20/2017 6:50:00 AM	Total Coliform	n/a	=	155300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	Conductivity	n/a	=	42.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	2/2/2017	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	DO	n/a	=	92.7	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	DO	n/a	=	10.38	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	pH	n/a	=	7.49	pH Units	Field Meter	-88	0.01	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	Specific Conductance	n/a	=	58.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/19/2017 2:00:00 AM	Temperature	n/a	=	10.4	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/21/2017 12:44:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/31/2017 5:38:00 PM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/20/2017 7:42:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 2:00:00 AM	1/20/2017 7:42:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	3.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	DNQ	0.038	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 1:40:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	5.2	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Calcium	Total	=	7.78	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Magnesium	Total	=	3.37	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Potassium	Total	=	3.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Sodium	Total	=	3.1	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/1/2017 7:00:00 PM	Alkalinity as CaCO3	n/a	=	21	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	=	5.1	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	56	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.6	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	6	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Hardness as CaCO3	Total	=	33.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	DNQ	0.036	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 9:01:00 AM	Phenolics	n/a	DNQ	0.0071	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	73	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:00:00 PM	Total Dissolved Solids	n/a	=	52	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	6.1	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	210	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	120	NTU	EPA 180.1	0.24	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	46	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 3:00:00 PM	Diesel Range Organics	n/a	=	0.18	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 3:00:00 PM	Oil Range Organics	n/a	=	0.73	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Aluminum	Dissolved	=	41	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Aluminum	Total	=	4300	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Antimony	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Antimony	Total	DNQ	0.27	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Arsenic	Dissolved	=	0.65	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Arsenic	Total	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Barium	Total	=	65	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Chromium	Dissolved	=	0.48	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Chromium	Total	=	8.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Copper	Dissolved	=	2.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Copper	Total	=	10	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:48:00 PM	Iron	Dissolved	=	60	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/30/2017 12:10:00 PM	Iron	Total	=	5000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Lead	Dissolved	DNQ	0.092	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Lead	Total	=	6.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/26/2017 3:26:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/26/2017 3:28:00 PM	Mercury	Total	=	51	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Nickel	Dissolved	=	1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Selenium	Total	DNQ	0.23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Thallium	Total	DNQ	0.037	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:38:00 PM	Zinc	Dissolved	=	7	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 5:42:00 PM	Zinc	Total	=	62	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.16	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/20/2017 11:36:00 AM	Nitrate + Nitrite as N	n/a	=	0.63	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/1/2017 6:37:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/1/2017 5:41:00 PM	Phosphorus as P	Total	=	0.4	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.4	µg/L	EPA 625	2.3	5	WKL	UL-MB
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 3:09:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 9:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 8:22:00 PM	Glyphosate	n/a	=	5.4	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/8/2017 9:18:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 9:20:00 AM	Pentachlorophenol	n/a	DNQ	0.1	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/11/2017 7:27:00 PM	Pentachlorophenol	n/a	DNQ	0.49	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/24/2017 2:01:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/14/2017 9:20:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	2/6/2017 7:06:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2016/17-5	Wet	1/19/2017 4:20:00 AM	1/27/2017 10:29:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	11199	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	Conductivity	n/a	=	115.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	DO	n/a	=	8.48	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	DO	n/a	=	88.5	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	pH	n/a	=	8.73	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	Specific Conductance	n/a	=	135.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	10/28/2016 8:15:00 AM	Temperature	n/a	=	17.2	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/3/2016 1:25:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/2/2016 2:14:00 PM	Oil and Grease	n/a	DNQ	3.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/2/2016 5:28:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:15:00 AM	11/2/2016 5:28:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	10	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.15	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/5/2016 2:31:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Calcium	Total	=	44.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Magnesium	Total	=	13.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Potassium	Total	=	15	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Sodium	Total	=	9.6	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	110	mg/L	SM 2320 B	0.56	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	48	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	410	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	20	mg/L	SM 5310 C	5	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	19	mg/L	SM 5310 C	0.13	3	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Hardness as CaCO3	Total	=	168	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	DNQ	0.22	mg/L	SM 5540 C	0.19	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 9:41:00 AM	Phenolics	n/a	=	0.06	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	150	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	27	mg/L	SM 5310 C	0.09	3	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	5700	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	480	NTU	EPA 180.1	0.48	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	770	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/28/2016 9:50:00 PM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/28/2016 9:50:00 PM	Oil Range Organics	n/a	=	2	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Aluminum	Dissolved	=	52	µg/L	EPA 200.8	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Aluminum	Total	=	27000	µg/L	EPA 200.8	6.5	25	WKL	HB-MSR
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Antimony	Dissolved	=	0.85	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Antimony	Total	DNQ	2	µg/L	EPA 200.8	0.22	2.5	WKL	LB-MSR
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Arsenic	Dissolved	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Arsenic	Total	=	9.3	µg/L	EPA 200.8	0.37	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Barium	Total	=	400	µg/L	EPA 200.8	0.36	2.5	WKL	LB-MSR
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Beryllium	Total	=	0.95	µg/L	EPA 200.8	0.16	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Cadmium	Total	=	2.5	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Chromium	Dissolved	=	0.65	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Chromium	Total	=	50	µg/L	EPA 200.8	0.18	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.055	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Copper	Total	=	79	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 11:37:00 AM	Iron	Dissolved	=	140	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/2/2016 12:12:00 PM	Iron	Total	=	33000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Lead	Dissolved	=	0.38	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Lead	Total	=	53	µg/L	EPA 200.8	0.16	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/18/2016 4:17:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/18/2016 4:19:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Nickel	Total	=	47	µg/L	EPA 200.8	0.22	4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Selenium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Selenium	Total	<	0.7	µg/L	EPA 200.8	0.7	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Silver	Total	<	0.31	µg/L	EPA 200.8	0.31	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Thallium	Total	DNQ	0.3	µg/L	EPA 200.8	0.07	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 6:37:00 PM	Zinc	Dissolved	=	8.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 7:56:00 PM	Zinc	Total	=	580	µg/L	EPA 200.8	4.7	25	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/1/2016 4:20:00 PM	Ammonia as N	n/a	=	0.74	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/31/2016 4:01:00 PM	Nitrate + Nitrite as N	n/a	=	0.84	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/10/2016 1:07:00 PM	Phosphorus as P	Dissolved	=	0.69	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/7/2016 8:16:00 PM	Phosphorus as P	Total	=	3.7	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	8.2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	1-Methylnaphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4,5-Trichlorophenol	n/a	<	5.8	µg/L	EPA 8270C	5.8	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4,6-Trichlorophenol	n/a	<	6	µg/L	EPA 8270C	6	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4-Dichlorophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4-Dimethylphenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2,4-Dinitrophenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2-Chlorophenol	n/a	<	13	µg/L	EPA 8270C	13	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	2-Methylnaphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2-Methylphenol	n/a	<	6.8	µg/L	EPA 8270C	6.8	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	2-Nitrophenol	n/a	<	14	µg/L	EPA 8270C	14	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	3-/4-Methylphenol	n/a	<	6	µg/L	EPA 8270C	6	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 8270C	2.8	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	4-Chloro-3-methylphenol	n/a	<	7.4	µg/L	EPA 8270C	7.4	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	4-Nitrophenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Acenaphthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benz(a)anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benzo(b)fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benzo(g,h,i)perylene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Benzo(k)fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Chrysene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Dibenz(a,h)anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Fluorene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Naphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Phenanthrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	Phenol	n/a	<	7	µg/L	EPA 8270C	7	20	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/30/2016 6:41:00 AM	Pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	2,4-DB	n/a	DNQ	1.9	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Chlorpyrifos	n/a	=	0.011	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	DCPA (Dacthal)	n/a	=	0.12	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	10/31/2016 8:54:00 PM	Glyphosate	n/a	=	16	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Malathion	n/a	=	0.072	µg/L	EPA 525.2m	0.0076	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/15/2016 4:54:00 PM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Pentachlorophenol	n/a	=	0.23	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	12/1/2016 1:03:00 AM	Pentachlorophenol	n/a	DNQ	12	µg/L	EPA 8270C	3	20	WKL	HB-LCSR
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/4/2016 6:45:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0092	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/12/2016 8:48:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/8/2016 9:18:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-1	Wet	10/28/2016 8:30:00 AM	11/11/2016 9:02:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/21/2016 9:58:00 PM	E. Coli	n/a	=	22470	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/23/2016 5:40:00 AM	Fecal Coliform	n/a	=	160000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/21/2016 9:58:00 PM	Total Coliform	n/a	=	866400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	Conductivity	n/a	=	207.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0034	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	DO	n/a	=	86.4	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	DO	n/a	=	8.63	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	pH	n/a	=	8.06	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	Specific Conductance	n/a	=	256	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/20/2016 11:00:00 PM	Temperature	n/a	=	24	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	12/1/2016 6:33:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	12/1/2016 3:20:00 PM	Oil and Grease	n/a	DNQ	2.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/27/2016 4:45:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2016/17-2	Wet	11/20/2016 11:00:00 PM	11/27/2016 4:45:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	44	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.13	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/12/2016 11:14:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	28	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Calcium	Total	=	24.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Magnesium	Total	=	6.31	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Sodium	Total	=	29	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/30/2016 9:57:00 PM	Alkalinity as CaCO3	n/a	=	77	mg/L	SM 2320 B	0.56	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	26	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 4:32:00 PM	COD	n/a	=	130	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	16	mg/L	SM 5310 C	4	4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	22	mg/L	SM 5310 C	0.13	3	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Hardness as CaCO3	Total	=	88.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/30/2016 9:48:00 AM	Phenolics	n/a	=	0.019	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	340	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	300	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	34	mg/L	SM 5310 C	0.18	6	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	260	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	61	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 8:39:00 AM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 8:39:00 AM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Aluminum	Dissolved	=	29	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Aluminum	Total	=	3700	µg/L	EPA 200.8	6.5	25	WKL	HB-MSR
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Antimony	Dissolved	=	0.74	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Antimony	Total	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Arsenic	Total	=	3.3	µg/L	EPA 200.8	0.37	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Barium	Total	=	72	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Beryllium	Total	=	0.17	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Cadmium	Dissolved	DNQ	0.058	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Cadmium	Total	DNQ	0.37	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Chromium	Total	=	8	µg/L	EPA 200.8	0.18	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1.2	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Copper	Dissolved	=	7.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:06:00 PM	Iron	Dissolved	=	49	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 12:47:00 PM	Iron	Total	=	4400	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Lead	Dissolved	=	0.24	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Lead	Total	=	6.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 3:18:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/2/2016 3:20:00 PM	Mercury	Total	DNQ	36	ng/L	EPA 245.1	17	50	WKL	UL-MB
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Nickel	Dissolved	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Nickel	Total	=	9.2	µg/L	EPA 200.8	0.22	4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Selenium	Dissolved	DNQ	0.22	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Selenium	Total	=	0.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:43:00 PM	Thallium	Total	DNQ	0.056	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/7/2016 4:22:00 PM	Zinc	Dissolved	=	21	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/8/2016 5:54:00 PM	Zinc	Total	=	110	µg/L	EPA 200.8	4.7	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.8	mg/L	EPA 350.1	0.048	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/22/2016 10:26:00 AM	Nitrate + Nitrite as N	n/a	=	1.5	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 9:08:00 PM	Phosphorus as P	Dissolved	=	0.41	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 2:43:00 PM	Phosphorus as P	Total	=	1.2	mg/L	EPA 365.1	0.07	0.5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	4.1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2,4-Dinitrophenol	n/a	DNQ	13	µg/L	EPA 8270C	10	20	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2-Methylphenol	n/a	DNQ	3.5	µg/L	EPA 8270C	3.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	9.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/16/2016 7:00:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	DCPA (Daacthal)	n/a	=	0.28	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	11/28/2016 10:26:00 PM	Glyphosate	n/a	=	14	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Malathion	n/a	=	0.015	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/21/2016 11:23:00 PM	Pentachlorophenol	n/a	DNQ	7.7	µg/L	EPA 8270C	1.5	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Pentachlorophenol	n/a	DNQ	0.088	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/14/2016 11:20:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/4/2016 8:41:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/23/2016 9:39:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/1/2016 12:44:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-2	Wet	11/21/2016 9:35:00 AM	12/5/2016 10:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/17/2016 8:12:00 AM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	111990	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Conductivity	n/a	=	101.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	DO	n/a	=	10.13	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	DO	n/a	=	98	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	pH	n/a	=	8.13	pH Units	Field Meter	-88	0.01	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Specific Conductance	n/a	=	129.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/21/2016 8:09:00 AM	Gasoline Range Organics	n/a	DNQ	0.059	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/20/2016 11:34:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/20/2016 11:34:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	20	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/21/2016 11:51:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	32	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Calcium	Total	=	19.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Magnesium	Total	=	3.67	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Potassium	Total	=	3.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Sodium	Total	=	19	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	58	mg/L	SM 2320 B	0.56	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	7.3	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	37	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 C	2.5	2.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	7.5	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Hardness as CaCO3	Total	=	64	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	DNQ	0.036	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 11:01:00 AM	Phenolics	n/a	=	0.012	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	270	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	8	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/23/2016 4:50:00 PM	Total Suspended Solids	n/a	=	140	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	64	NTU	EPA 180.1	0.24	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/23/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	26	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/5/2017 6:54:00 PM	Diesel Range Organics	n/a	=	0.56	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/5/2017 6:54:00 PM	Oil Range Organics	n/a	DNQ	0.42	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/3/2017 2:42:00 PM	Aluminum	Dissolved	=	29	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/3/2017 3:10:00 PM	Aluminum	Total	=	880	µg/L	EPA 200.8	13	50	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Antimony	Dissolved	=	0.55	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Antimony	Total	=	0.64	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Barium	Total	=	28	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Beryllium	Total	DNQ	0.044	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Cadmium	Total	DNQ	0.077	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Chromium	Dissolved	=	0.83	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Chromium	Total	=	2.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.56	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Copper	Total	=	6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:15:00 PM	Iron	Dissolved	=	37	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 7:18:00 PM	Iron	Total	=	940	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 3:05:00 PM	Lead	Dissolved	DNQ	0.091	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 3:27:00 PM	Lead	Total	=	1.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/30/2016 2:58:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/30/2016 3:00:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Nickel	Total	=	2.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/30/2016 3:43:00 PM	Selenium	Dissolved	=	0.71	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/30/2016 4:01:00 PM	Selenium	Total	=	0.85	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 3:05:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 3:27:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 8:25:00 PM	Zinc	Dissolved	=	8.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 10:06:00 PM	Zinc	Total	=	22	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.15	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/20/2016 1:23:00 PM	Nitrate + Nitrite as N	n/a	=	3.6	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/29/2016 5:10:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 1:32:00 PM	Phosphorus as P	Total	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/23/2016 2:54:00 PM	TKN	n/a	=	0.95	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2,4-Dinitrophenol	n/a	DNQ	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2-Methylphenol	n/a	DNQ	0.42	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.67	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3.9	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.39	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 4:12:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:19:00 PM	Bromacil	n/a	=	1.5	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Dichlorvos	n/a	DNQ	0.0082	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Fensulfotion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/21/2016 5:18:00 PM	Glyphosate	n/a	=	6.8	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Pentachlorophenol	n/a	DNQ	0.09	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/28/2016 3:23:00 PM	Pentachlorophenol	n/a	DNQ	0.83	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/10/2017 9:28:00 PM	Pentachlorophenol	n/a	DNQ	0.55	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/31/2016 6:40:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	1/7/2017 10:25:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/22/2016 3:34:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-3	Wet	12/16/2016 9:50:00 AM	12/27/2016 10:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/30/2017 3:48:00 PM	Chloride	n/a	=	390	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	1.6	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/31/2017 9:54:00 PM	Perchlorate	n/a	<	2.8	µg/L	EPA 314.0	2.8	6	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/30/2017 3:48:00 PM	Sulfate	Total	=	270	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	43520	MPN/100 mL	Enterolert	100	100	VCHCA	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/21/2017 3:40:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	1299700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Calcium	Total	=	104	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Magnesium	Total	=	36.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Potassium	Total	=	54	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Sodium	Total	=	300	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	280	mg/L	SM 2320 B	0.56	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	=	36	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 8:03:00 PM	COD	n/a	=	230	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	Conductivity	n/a	=	1378	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	=	0.0056	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	78	mg/L	SM 5310 C	20	20	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	60	mg/L	SM 5310 C	0.13	3	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	DO	n/a	=	86.7	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	DO	n/a	=	9.09	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Hardness as CaCO3	Total	=	412	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	=	0.28	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	pH	n/a	=	8.22	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 1:37:00 PM	Phenolics	n/a	=	0.07	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	2500	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	Specific Conductance	n/a	=	1790	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/18/2017 8:10:00 AM	Temperature	n/a	=	13	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	1500	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	66	mg/L	SM 5310 C	0.09	3	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	=	11	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	5.2	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	=	11	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 11:12:00 PM	Diesel Range Organics	n/a	=	0.74	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/20/2017 12:20:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 11:12:00 PM	Oil Range Organics	n/a	=	0.6	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/2/2017 12:50:00 PM	Aluminum	Dissolved	DNQ	3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/2/2017 12:54:00 PM	Aluminum	Total	=	35	µg/L	EPA 200.8	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Antimony	Total	=	0.97	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Arsenic	Dissolved	=	5.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Arsenic	Total	=	5.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Barium	Total	=	170	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Cadmium	Dissolved	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Cadmium	Total	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Chromium	Dissolved	=	0.76	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Chromium	Total	=	0.67	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	0.29	µg/L	EPA 218.6	0.048	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Copper	Dissolved	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:25:00 PM	Iron	Dissolved	=	35	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/9/2017 10:40:00 PM	Iron	Total	=	74	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Lead	Dissolved	=	0.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Lead	Total	=	0.25	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:31:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:32:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Nickel	Total	=	7.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Selenium	Dissolved	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Selenium	Total	=	1.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:03:00 PM	Zinc	Dissolved	=	19	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:19:00 PM	Zinc	Total	=	18	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	=	0.14	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/19/2017 11:49:00 AM	Nitrate + Nitrite as N	n/a	=	0.32	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 1:16:00 PM	Phosphorus as P	Dissolved	=	0.27	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 12:21:00 PM	Phosphorus as P	Total	=	0.47	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	=	5.1	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/25/2017 6:08:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.35	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	

Appendix G
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Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Diethyl phthalate	n/a	DNQ	0.4	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/25/2017 6:08:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 1:51:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 8:10:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	DCPA (Dacthal)	n/a	=	0.48	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Fensulfothion	n/a	DNQ	0.0032	µg/L	EPA 525.2m	0.0029	0.01	WKL	UL-MB
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/23/2017 2:08:00 PM	Glyphosate	n/a	=	940	µg/L	EPA 547	18	50	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/26/2017 7:09:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 12:35:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 7:55:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/3/2017 12:06:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	5/24/2017 9:44:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2016/17-6	Dry	5/18/2017 8:10:00 AM	6/15/2017 5:04:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	11199	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	579400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 11:28:00 AM	Calcium	Total	=	74.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 11:28:00 AM	Magnesium	Total	=	22.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Conductivity	n/a	=	2202	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Discharge	n/a	=	0.1	cfs	Field Estimate	-88	0.01	Field Crew	EST
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	DO	n/a	=	9.21	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	DO	n/a	=	119.5	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 11:28:00 AM	Hardness as CaCO3	Total	=	281	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	pH	n/a	=	8.8	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Salinity	n/a	=	1000	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Specific Conductance	n/a	=	2062	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Temperature	n/a	=	27.9	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/17/2017 1:32:00 PM	Total Organic Carbon	n/a	=	30	mg/L	SM 5310 C	0.331	3	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/3/2017 10:20:00 AM	Turbidity	n/a	=	3.62	NTU	Field Meter	-88	0.01	Field Crew	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 2:36:00 PM	Copper	Dissolved	=	7.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 2:36:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2017-DRY	Dry	8/3/2017 10:20:00 AM	8/9/2017 2:36:00 PM	Zinc	Dissolved	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	Conductivity	n/a	=	220.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.005	mg/L	ASTM D7511	0.0005	0.002	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	DO	n/a	=	7.77	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	DO	n/a	=	82.4	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	pH	n/a	=	7.17	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	Specific Conductance	n/a	=	252.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	10/28/2016 4:50:00 AM	Temperature	n/a	=	18.3	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/2/2016 8:22:00 PM	Gasoline Range Organics	n/a	DNQ	0.056	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/2/2016 2:28:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 4:50:00 AM	11/2/2016 2:28:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	8.9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.31	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/5/2016 12:27:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	6.7	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Calcium	Total	=	18.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Magnesium	Total	=	6.29	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Sodium	Total	=	4.7	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	78	mg/L	SM 2320 B	0.56	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	41	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	300	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	17	mg/L	SM 5310 C	2	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	26	mg/L	SM 5310 C	0.13	3	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Hardness as CaCO3	Total	=	72	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	=	0.44	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 10:05:00 AM	Phenolics	n/a	=	0.048	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	120	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	110	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	42	mg/L	SM 5310 C	0.18	6	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	2500	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	470	NTU	EPA 180.1	0.48	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	330	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/28/2016 6:53:00 PM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/28/2016 6:53:00 PM	Oil Range Organics	n/a	=	1	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Aluminum	Dissolved	=	57	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/9/2016 3:48:00 PM	Aluminum	Total	DNQ	11000	µg/L	EPA 200.8	13	50	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Antimony	Total	=	0.84	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Arsenic	Total	=	4.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Barium	Total	=	200	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Beryllium	Total	=	0.46	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Cadmium	Total	=	0.41	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Chromium	Dissolved	=	0.66	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Chromium	Total	=	15	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.0048	0.02	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Copper	Dissolved	=	8.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Copper	Total	=	38	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:19:00 AM	Iron	Dissolved	=	60	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/2/2016 11:55:00 AM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Lead	Dissolved	=	0.62	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Lead	Total	=	15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/18/2016 3:43:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/18/2016 3:45:00 PM	Mercury	Total	=	140	ng/L	EPA 245.1	17	50	WKL	LB-MSR
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Nickel	Total	=	21	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Selenium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Selenium	Total	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 5:53:00 PM	Zinc	Dissolved	=	36	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 7:13:00 PM	Zinc	Total	=	200	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.69	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/31/2016 12:20:00 PM	Nitrate + Nitrite as N	n/a	=	0.87	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/10/2016 12:58:00 PM	Phosphorus as P	Dissolved	=	0.74	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/7/2016 8:03:00 PM	Phosphorus as P	Total	=	1.6	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	5.4	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2-Methylphenol	n/a	DNQ	4.6	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	3-4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.6	µg/L	EPA 8270C	0.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	12/3/2016 10:29:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 3:50:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	2,4-DB	n/a	=	2.5	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	10/31/2016 7:29:00 PM	Glyphosate	n/a	=	5.1	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Pentachlorophenol	n/a	=	0.55	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/15/2016 12:31:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/30/2016 10:33:00 PM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/4/2016 12:44:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/12/2016 2:09:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/8/2016 6:44:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-1	Wet	10/28/2016 8:45:00 AM	11/11/2016 6:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/21/2016 9:35:00 PM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/24/2016 8:05:00 AM	Fecal Coliform	n/a	=	54000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/21/2016 9:35:00 PM	Total Coliform	n/a	=	325500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	Conductivity	n/a	=	193.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0033	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	DO	n/a	=	90.6	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	DO	n/a	=	9.17	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	pH	n/a	=	7.61	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	Specific Conductance	n/a	=	239	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/20/2016 9:05:00 PM	Temperature	n/a	=	14.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/30/2016 6:05:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	=	9.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/24/2016 8:47:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-2	Wet	11/20/2016 9:05:00 PM	11/24/2016 8:47:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Calcium	Total	=	31.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Magnesium	Total	=	8.79	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Potassium	Total	=	12	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Sodium	Total	=	4.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Hardness as CaCO3	Total	=	116	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Aluminum	Dissolved	=	44	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Aluminum	Total	=	14000	µg/L	EPA 200.8	6.5	25	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Antimony	Dissolved	DNQ	0.44	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Antimony	Total	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Arsenic	Total	=	5.3	µg/L	EPA 200.8	0.37	2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Barium	Total	=	310	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Beryllium	Total	=	0.67	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Cadmium	Dissolved	DNQ	0.061	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Cadmium	Total	=	1.1	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Chromium	Dissolved	=	0.67	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Chromium	Total	=	24	µg/L	EPA 200.8	0.18	1	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Copper	Total	=	100	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 11:48:00 AM	Iron	Dissolved	=	58	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 12:29:00 PM	Iron	Total	=	19000	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Lead	Dissolved	=	0.62	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Lead	Total	=	28	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 2:42:00 PM	Mercury	Dissolved	<	34	ng/L	EPA 245.1	34	100	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/2/2016 2:44:00 PM	Mercury	Total	=	110	ng/L	EPA 245.1	34	100	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Nickel	Total	=	35	µg/L	EPA 200.8	0.22	4	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Selenium	Total	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Silver	Total	DNQ	0.16	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 5:50:00 PM	Thallium	Total	DNQ	0.16	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/7/2016 3:40:00 PM	Zinc	Dissolved	=	42	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	12/8/2016 5:15:00 PM	Zinc	Total	=	510	µg/L	EPA 200.8	4.7	25	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-2	Wet	11/21/2016 9:28:00 AM	11/30/2016 11:27:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/17/2016 8:20:00 PM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	648800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	Conductivity	n/a	=	57	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/27/2016 3:43:00 PM	Cyanide	Total	DNQ	0.001	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	DO	n/a	=	90.3	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	DO	n/a	=	9.66	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	pH	n/a	=	7.45	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	Specific Conductance	n/a	=	68.4	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/15/2016 8:10:00 PM	Temperature	n/a	=	13.2	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/21/2016 1:33:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	2.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/20/2016 6:51:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-3	Wet	12/15/2016 8:10:00 PM	12/20/2016 6:51:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	2.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.029	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 9:27:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	3.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Calcium	Total	=	7.25	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Magnesium	Total	=	2.64	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Potassium	Total	=	3.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Sodium	Total	=	2.4	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	21	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	8.7	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	56	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.6	mg/L	SM 5310 C	2	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	6.4	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Hardness as CaCO3	Total	=	29	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	DNQ	0.035	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 11:42:00 AM	Phenolics	n/a	=	0.032	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/20/2016 4:34:00 PM	Specific Conductance	n/a	=	64	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	28	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	8.2	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	280	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	130	NTU	EPA 180.1	0.24	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	50	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/5/2017 3:57:00 PM	Diesel Range Organics	n/a	=	0.35	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/5/2017 3:57:00 PM	Oil Range Organics	n/a	=	0.55	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/3/2017 2:33:00 PM	Aluminum	Dissolved	=	42	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/3/2017 2:54:00 PM	Aluminum	Total	=	4800	µg/L	EPA 200.8	65	250	WKL	HB-MSR
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Antimony	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Antimony	Total	DNQ	0.4	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Arsenic	Dissolved	=	0.59	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Barium	Total	=	78	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Beryllium	Total	=	0.21	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Chromium	Dissolved	=	0.27	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Chromium	Total	=	6.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Copper	Dissolved	=	4.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:31:00 PM	Iron	Dissolved	=	41	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 6:34:00 PM	Iron	Total	=	5400	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 3:36:00 PM	Lead	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 3:17:00 PM	Lead	Total	=	7.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/30/2016 2:24:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/30/2016 2:26:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Nickel	Dissolved	=	0.82	µg/L	EPA 200.8	0.045	0.8	WKL	UL-MB
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Nickel	Total	=	8.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/30/2016 3:35:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/30/2016 3:53:00 PM	Selenium	Total	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Silver	Total	DNQ	0.084	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 3:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 3:17:00 PM	Thallium	Total	DNQ	0.05	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 7:41:00 PM	Zinc	Dissolved	=	7.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 9:23:00 PM	Zinc	Total	=	75	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.12	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/20/2016 12:33:00 PM	Nitrate + Nitrite as N	n/a	=	0.4	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/29/2016 4:55:00 PM	Phosphorus as P	Dissolved	=	0.25	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 1:10:00 PM	Phosphorus as P	Total	=	0.5	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 12:41:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/21/2016 4:01:00 PM	Glyphosate	n/a	=	7.5	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Pentachlorophenol	n/a	DNQ	0.18	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/28/2016 12:13:00 PM	Pentachlorophenol	n/a	DNQ	0.91	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/10/2017 6:23:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/31/2016 3:01:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	1/7/2017 4:16:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/22/2016 12:59:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-3	Wet	12/16/2016 9:36:00 AM	12/27/2016 7:55:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 6:50:00 AM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/23/2017 7:25:00 AM	Fecal Coliform	n/a	=	5000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 6:50:00 AM	Total Coliform	n/a	=	41060	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	Conductivity	n/a	=	42.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/31/2017 10:14:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	DO	n/a	=	92.7	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	DO	n/a	=	10.3	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	pH	n/a	=	6.89	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	Specific Conductance	n/a	=	58.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/19/2017 1:15:00 AM	Temperature	n/a	=	10.6	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 10:10:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/26/2017 3:51:00 PM	Oil and Grease	n/a	DNQ	3.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 7:14:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 1:15:00 AM	1/20/2017 7:14:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	2.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	DNQ	0.035	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 1:20:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	2.9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Calcium	Total	=	7.77	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Magnesium	Total	=	2.77	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Potassium	Total	=	3.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Sodium	Total	=	2.4	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/1/2017 7:00:00 AM	Alkalinity as CaCO3	n/a	=	19	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	=	5	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	51	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	4.7	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Hardness as CaCO3	Total	=	30.8	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 7:44:00 PM	MBAS	n/a	DNQ	0.025	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 8:59:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	63	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 2:00:00 PM	Total Dissolved Solids	n/a	=	47	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	5.1	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	270	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	160	NTU	EPA 180.1	0.24	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	64	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 2:25:00 PM	Diesel Range Organics	n/a	=	0.15	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 2:25:00 PM	Oil Range Organics	n/a	=	0.6	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Aluminum	Dissolved	=	45	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Aluminum	Total	=	4800	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Antimony	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.045	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Antimony	Total	DNQ	0.25	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Arsenic	Dissolved	=	0.53	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Arsenic	Total	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Barium	Total	=	67	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Beryllium	Total	=	0.23	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Chromium	Total	=	6.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.0096	0.04	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Copper	Dissolved	=	2.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 11:59:00 AM	Iron	Dissolved	=	50	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/30/2017 12:07:00 PM	Iron	Total	=	6000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Lead	Dissolved	DNQ	0.095	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Lead	Total	=	7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/26/2017 3:18:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/26/2017 3:20:00 PM	Mercury	Total	DNQ	43	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Nickel	Dissolved	DNQ	0.52	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Nickel	Total	=	8.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Selenium	Total	DNQ	0.21	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Thallium	Total	DNQ	0.074	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:30:00 PM	Zinc	Dissolved	=	6.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 5:34:00 PM	Zinc	Total	=	74	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.1	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/20/2017 11:33:00 AM	Nitrate + Nitrite as N	n/a	=	0.38	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/1/2017 6:36:00 PM	Phosphorus as P	Dissolved	=	0.16	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/1/2017 5:39:00 PM	Phosphorus as P	Total	=	0.39	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Diethyl phthalate	n/a	DNQ	0.16	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 2:34:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	4,4'-DDE	n/a	DNQ	0.016	µg/L	EPA 608	0.016	0.25	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Fensulfathion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 8:09:00 PM	Glyphosate	n/a	DNQ	4	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Pentachlorophenol	n/a	DNQ	0.11	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/11/2017 6:56:00 PM	Pentachlorophenol	n/a	DNQ	0.48	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/8/2017 8:49:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/24/2017 1:24:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/14/2017 8:49:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	2/6/2017 6:41:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-5	Wet	1/19/2017 4:00:00 AM	1/27/2017 10:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/5/2017 3:08:00 PM	Chloride	n/a	=	240	mg/L	EPA 300.0	0.9	4.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/5/2017 3:08:00 PM	Fluoride	n/a	=	0.95	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/20/2017 7:20:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/5/2017 3:08:00 PM	Sulfate	Total	=	510	mg/L	EPA 300.0	0.9	4.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 9:00:00 AM	E. Coli	n/a	=	657	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 3:00:00 PM	Enterococcus	n/a	=	2987	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/26/2017 9:10:00 AM	Fecal Coliform	n/a	=	3500	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 9:20:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Calcium	Total	=	156	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Magnesium	Total	=	94.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Potassium	Total	=	6.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Sodium	Total	=	210	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 1:13:00 PM	Alkalinity as CaCO3	n/a	=	290	mg/L	SM 2320 B	0.56	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/29/2017 4:45:00 PM	BOD	n/a	=	17	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 2:38:00 PM	COD	n/a	=	88	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Conductivity	n/a	=	1181	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0011	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 2:08:00 PM	Dissolved Inorganic Carbon	Dissolved	=	82	mg/L	SM 5310 C	20	20	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/5/2017 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	18	mg/L	SM 5310 C	0.13	3	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Dissolved Organic Carbon	n/a	=	14.66	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	DO	n/a	=	162.8	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Hardness as CaCO3	Total	=	778	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 6:58:00 PM	MBAS	n/a	=	0.073	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	pH	n/a	=	8.73	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 10:17:00 AM	Phenolics	n/a	DNQ	0.0096	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Specific Conductance	n/a	=	1294	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 3:15:00 PM	Specific Conductance	n/a	=	2300	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 9:20:00 AM	Temperature	n/a	=	20.6	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/23/2017 7:30:00 PM	Total Dissolved Solids	n/a	=	1500	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 4:05:00 PM	Total Organic Carbon	n/a	=	20	mg/L	SM 5310 C	0.09	3	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 4:30:00 PM	Total Suspended Solids	n/a	=	76	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 12:19:00 PM	Turbidity	n/a	=	3.3	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 4:30:00 PM	Volatile Suspended Solids	n/a	=	45	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 7:28:00 PM	Diesel Range Organics	n/a	=	0.18	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/26/2017 1:56:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/26/2017 2:59:00 PM	Oil and Grease	n/a	DNQ	2.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 7:28:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 8:43:00 PM	Aluminum	Dissolved	DNQ	3.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 9:05:00 PM	Aluminum	Total	=	150	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Antimony	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Antimony	Total	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Arsenic	Dissolved	=	0.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Arsenic	Total	=	0.69	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Barium	Total	=	87	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Chromium	Dissolved	=	0.57	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Chromium	Total	=	0.55	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/6/2017 4:21:00 AM	Chromium VI	n/a	=	2.2	µg/L	EPA 218.6	0.048	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Copper	Dissolved	=	4.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Copper	Total	=	5.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:41:00 PM	Iron	Dissolved	DNQ	4	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/8/2017 10:50:00 PM	Iron	Total	=	65	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 8:43:00 PM	Lead	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 9:05:00 PM	Lead	Total	=	0.43	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:58:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:59:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 8:43:00 PM	Nickel	Dissolved	=	0.86	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/15/2017 9:05:00 PM	Nickel	Total	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Selenium	Dissolved	=	4.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Selenium	Total	=	4.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:36:00 PM	Zinc	Dissolved	=	7.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 1:40:00 PM	Zinc	Total	=	10	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	DNQ	0.065	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 3:44:00 PM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 2:38:00 PM	Phosphorus as P	Dissolved	=	0.019	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/1/2017 2:15:00 PM	Phosphorus as P	Total	=	0.1	mg/L	EPA 365.1	0.0014	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	=	2.7	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2,4-Dinitrophenol	n/a	DNQ	1.1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	EST-LCSRPD
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 5:12:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.47	µg/L	EPA 8270C	0.14	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	EST-LCSRPD
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	5.8	µg/L	EPA 625	2.3	5	WKL	UL-MB
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.32	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Diethyl phthalate	n/a	DNQ	0.16	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 5:12:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Phenol	n/a	DNQ	0.19	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 7:04:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 5:30:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 9:20:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 9:04:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/31/2017 6:14:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/2/2017 3:19:00 PM	Pentachlorophenol	n/a	=	1.1	µg/L	EPA 8270C	0.15	1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 9:36:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	6/7/2017 2:06:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/25/2017 8:45:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2016/17-6	Dry	5/23/2017 9:20:00 AM	5/24/2017 11:22:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/30/2016 9:45:00 AM	Fecal Coliform	n/a	=	24000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	187200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	Conductivity	n/a	=	110.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	DO	n/a	=	93.5	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	DO	n/a	=	8.57	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	pH	n/a	=	7.31	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	Specific Conductance	n/a	=	128.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	10/28/2016 7:15:00 AM	Temperature	n/a	=	17.4	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/2/2016 9:53:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	3.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/2/2016 3:35:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 7:15:00 AM	11/2/2016 3:35:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	20	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.25	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/5/2016 2:52:00 PM	Perchlorate	n/a	=	3.6	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	28	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Calcium	Total	=	23.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Magnesium	Total	=	6.47	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Potassium	Total	=	6.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Sodium	Total	=	16	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	61	mg/L	SM 2320 B	0.56	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	30	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	330	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	12	mg/L	SM 5310 C	2	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	24	mg/L	SM 5310 C	0.13	3	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Hardness as CaCO3	Total	=	85.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	=	1	mg/L	SM 5540 C	0.19	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 9:42:00 AM	Phenolics	n/a	=	0.17	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	33	mg/L	SM 5310 C	0.18	6	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	770	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	160	NTU	EPA 180.1	0.24	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	190	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/28/2016 10:25:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/28/2016 10:25:00 PM	Oil Range Organics	n/a	=	3	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Aluminum	Dissolved	=	34	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Aluminum	Total	=	6300	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Antimony	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Antimony	Total	=	5.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Arsenic	Total	=	4.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Barium	Total	=	150	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Beryllium	Total	=	0.25	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Cadmium	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Cadmium	Total	=	0.96	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Chromium	Total	=	16	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	1.2	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Copper	Total	=	91	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 11:40:00 AM	Iron	Dissolved	=	170	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/2/2016 12:15:00 PM	Iron	Total	=	10000	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Lead	Dissolved	=	0.83	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Lead	Total	=	32	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/18/2016 4:20:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/18/2016 4:22:00 PM	Mercury	Total	=	97	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Nickel	Dissolved	=	6.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Nickel	Total	=	21	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Selenium	Dissolved	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Selenium	Total	=	0.87	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Silver	Total	DNQ	0.09	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Thallium	Total	DNQ	0.09	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 6:44:00 PM	Zinc	Dissolved	=	77	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 8:12:00 PM	Zinc	Total	=	550	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/1/2016 4:20:00 PM	Ammonia as N	n/a	=	0.9	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/31/2016 4:02:00 PM	Nitrate + Nitrite as N	n/a	=	0.83	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/10/2016 1:08:00 PM	Phosphorus as P	Dissolved	=	0.38	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/7/2016 8:17:00 PM	Phosphorus as P	Total	=	1.4	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	5.6	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	3-4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	4.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/30/2016 7:14:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	2,4-DB	n/a	=	4.2	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Chlorpyrifos	n/a	=	0.018	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Dichlorvos	n/a	DNQ	0.0073	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	10/31/2016 9:09:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Malathion	n/a	=	0.055	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	12/1/2016 1:32:00 AM	Pentachlorophenol	n/a	DNQ	6	µg/L	EPA 8270C	1.5	10	WKL	HB-LCSR
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Pentachlorophenol	n/a	DNQ	0.1	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/15/2016 5:24:00 PM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/4/2016 7:21:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/12/2016 9:49:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/8/2016 9:44:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-1	Wet	10/28/2016 10:20:00 AM	11/11/2016 9:28:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/21/2016 9:15:00 PM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/23/2016 5:05:00 AM	Fecal Coliform	n/a	<	2	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/21/2016 9:15:00 PM	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	Conductivity	n/a	=	98.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0095	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	DO	n/a	=	9.59	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	pH	n/a	=	7.14	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	Specific Conductance	n/a	=	119.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/20/2016 9:00:00 PM	Temperature	n/a	=	15.8	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	12/1/2016 1:54:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/24/2016 10:11:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2016/17-2	Wet	11/20/2016 9:00:00 PM	11/24/2016 10:11:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	14	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/12/2016 11:55:00 PM	Perchlorate	n/a	=	13	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	19	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Calcium	Total	=	12.3	mg/L	EPA 200.7	0.032	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Magnesium	Total	=	3.21	mg/L	EPA 200.7	0.024	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Potassium	Total	=	4.1	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Sodium	Total	=	13	mg/L	EPA 200.7	0.03	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/3/2016 6:28:00 PM	Alkalinity as CaCO3	n/a	=	35	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	24	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 4:32:00 PM	COD	n/a	=	170	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.4	mg/L	SM 5310 C	2	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	23	mg/L	SM 5310 C	0.13	3	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Hardness as CaCO3	Total	=	43.8	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 6:50:00 PM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/30/2016 9:50:00 AM	Phenolics	n/a	=	0.025	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	160	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	160	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	32	mg/L	SM 5310 C	0.18	6	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	95	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	34	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	35	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 9:49:00 AM	Diesel Range Organics	n/a	=	1.7	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 9:49:00 AM	Oil Range Organics	n/a	=	2.7	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Aluminum	Dissolved	=	34	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:06:00 PM	Aluminum	Total	=	1900	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Antimony	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Antimony	Total	=	2.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Barium	Total	=	52	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Beryllium	Total	DNQ	0.05	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Cadmium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Cadmium	Total	=	0.29	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Chromium	Total	=	5.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Copper	Dissolved	=	16	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Copper	Total	=	38	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 10:49:00 AM	Iron	Dissolved	=	78	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:24:00 AM	Iron	Total	=	2900	µg/L	EPA 200.7	2.2	20	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Lead	Dissolved	=	0.73	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Lead	Total	=	9.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:25:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:27:00 PM	Mercury	Total	DNQ	37	ng/L	EPA 245.1	17	50	WKL	UL-MB
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Nickel	Dissolved	=	5.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Nickel	Total	=	9.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Selenium	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Selenium	Total	=	0.53	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:36:00 PM	Zinc	Dissolved	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 6:06:00 PM	Zinc	Total	=	220	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.95	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 10:30:00 AM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 9:10:00 PM	Phosphorus as P	Dissolved	=	0.26	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 2:49:00 PM	Phosphorus as P	Total	=	0.68	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	3.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2,4-Dinitrophenol	n/a	DNQ	6.9	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.8	µg/L	EPA 8270C	0.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 1:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 8:11:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	DCCA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Diazinon	n/a	=	0.037	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Dichlorvos	n/a	DNQ	0.0058	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Fensulfathion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/28/2016 11:05:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Malathion	n/a	=	0.12	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/22/2016 12:24:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:23:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:54:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:41:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:35:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 10:54:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/16/2016 7:00:00 PM	E. Coli	n/a	=	10462	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/18/2016 6:47:00 PM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/16/2016 7:00:00 PM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Conductivity	n/a	=	67.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	DO	n/a	=	9.29	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	DO	n/a	=	91.4	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	pH	n/a	=	8.06	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Specific Conductance	n/a	=	84.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/15/2016 8:30:00 PM	Temperature	n/a	=	14.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/21/2016 4:35:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/20/2016 8:16:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2016/17-3	Wet	12/15/2016 8:30:00 PM	12/20/2016 8:16:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	5.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.099	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 12:32:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	9.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Calcium	Total	=	7.49	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Magnesium	Total	=	1.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Potassium	Total	=	2.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Sodium	Total	=	6.3	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	21	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	64	mg/L	EPA 410.4	0.73	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.4	mg/L	SM 5310 C	2	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8.1	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Hardness as CaCO3	Total	=	25.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.28	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/29/2016 11:06:00 AM	Phenolics	n/a	=	0.028	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	94	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	49	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 4:50:00 PM	Total Suspended Solids	n/a	=	57	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	31	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	17	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/5/2017 8:04:00 PM	Diesel Range Organics	n/a	=	0.91	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/5/2017 8:04:00 PM	Oil Range Organics	n/a	=	1.3	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Aluminum	Dissolved	=	29	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Aluminum	Total	=	770	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 4:16:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 4:21:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Arsenic	Dissolved	=	0.77	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Arsenic	Total	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Barium	Total	=	22	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Beryllium	Total	DNQ	0.034	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Cadmium	Dissolved	DNQ	0.051	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Chromium	Total	=	3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Copper	Dissolved	=	8.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Copper	Total	=	16	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:04:00 PM	Iron	Dissolved	=	44	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/27/2016 4:07:00 PM	Iron	Total	=	1100	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Lead	Dissolved	=	0.75	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Lead	Total	=	3.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 3:20:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 3:22:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Nickel	Dissolved	=	2.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Nickel	Total	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 3:10:00 PM	Selenium	Dissolved	DNQ	0.21	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 3:15:00 PM	Selenium	Total	DNQ	0.24	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:13:00 PM	Zinc	Dissolved	=	40	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/4/2017 1:35:00 PM	Zinc	Total	=	80	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.45	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/20/2016 1:27:00 PM	Nitrate + Nitrite as N	n/a	=	0.68	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/29/2016 5:13:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 365.1	0.0014	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 1:35:00 PM	Phosphorus as P	Total	=	0.28	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 2:54:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	EST-LCSRPD
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzenzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	3	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 5:22:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Chlorpyrifos	n/a	=	0.01	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Dichlorvos	n/a	DNQ	0.0071	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/23/2016 12:25:00 PM	Glyphosate	n/a	=	7.7	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Malathion	n/a	=	0.067	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Pentachlorophenol	n/a	DNQ	0.065	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/30/2016 9:19:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/10/2017 10:29:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/31/2016 7:52:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	1/7/2017 11:26:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/22/2016 4:25:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2016/17-3	Wet	12/16/2016 9:35:00 AM	12/28/2016 1:01:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 1:06:00 PM	Chloride	n/a	=	1200	mg/L	EPA 300.0	2	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 1:06:00 PM	Fluoride	n/a	=	0.95	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 11:26:00 AM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 1:06:00 PM	Sulfate	Total	=	440	mg/L	EPA 300.0	1	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/5/2017 10:30:00 AM	E. Coli	n/a	=	36540	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/5/2017 3:30:00 PM	Enterococcus	n/a	=	1670	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/7/2017 9:00:00 AM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/5/2017 10:30:00 AM	Total Coliform	n/a	=	34100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Calcium	Total	=	195	mg/L	EPA 200.7	0.032	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Magnesium	Total	=	65.5	mg/L	EPA 200.7	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Potassium	Total	=	28	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Sodium	Total	=	640	mg/L	EPA 200.7	0.03	1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 5:55:00 PM	Alkalinity as CaCO3	n/a	=	240	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 8:49:00 PM	COD	n/a	=	300	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	Conductivity	n/a	=	2513	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/10/2017 12:26:00 AM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	DO	n/a	=	7.42	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	DO	n/a	=	98.9	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Hardness as CaCO3	Total	=	755	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	pH	n/a	=	8.42	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 11:27:00 AM	Phenolics	n/a	=	0.12	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	Specific Conductance	n/a	=	2260	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/8/2017 12:56:00 PM	Specific Conductance	n/a	=	5700	µmhos/cm	SM 2510 B	1.2	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/4/2017 11:50:00 AM	Temperature	n/a	=	30.9	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/9/2017 6:34:00 PM	Total Dissolved Solids	n/a	=	3100	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 10:05:00 AM	Total Suspended Solids	n/a	=	84	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 10:05:00 AM	Volatile Suspended Solids	n/a	=	33	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/9/2017 5:32:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 4:00:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Aluminum	Dissolved	=	7.2	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Aluminum	Total	=	620	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Arsenic	Dissolved	=	4.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Arsenic	Total	=	4.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Barium	Total	=	220	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 3:53:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 4:05:00 PM	Beryllium	Total	DNQ	0.04	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Cadmium	Dissolved	=	0.56	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Cadmium	Total	=	0.95	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Chromium	Dissolved	=	1.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Chromium	Total	=	3.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 3:00:00 PM	Chromium VI	n/a	=	0.53	µg/L	EPA 218.6	0.024	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Copper	Dissolved	=	43	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Copper	Total	=	70	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/14/2017 11:11:00 AM	Iron	Dissolved	=	140	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/19/2017 9:34:00 AM	Iron	Total	=	1500	µg/L	EPA 200.7	2.2	20	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Lead	Dissolved	=	0.87	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Lead	Total	=	4.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/10/2017 3:52:00 PM	Mercury	Dissolved	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/10/2017 3:54:00 PM	Mercury	Total	DNQ	33	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Nickel	Dissolved	=	10	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 3:53:00 PM	Selenium	Dissolved	=	4.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 4:05:00 PM	Selenium	Total	=	4.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Thallium	Dissolved	DNQ	0.022	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Thallium	Total	DNQ	0.038	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:14:00 PM	Zinc	Dissolved	=	93	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/11/2017 6:09:00 PM	Zinc	Total	=	160	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/12/2017 3:54:00 PM	Ammonia as N	n/a	=	1.7	mg/L	EPA 350.1	0.19	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/16/2017 11:53:00 AM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 2:14:00 PM	Phosphorus as P	Dissolved	=	0.5	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 1:51:00 PM	Phosphorus as P	Total	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/15/2017 4:21:00 PM	TKN	n/a	=	12	mg/L	EPA 351.2	0.25	0.5	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/9/2017 9:40:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/9/2017 9:40:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Dalapon	n/a	=	13	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2016/17-6	Dry	5/4/2017 11:50:00 AM	5/23/2017 2:52:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/31/2016 7:45:00 AM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	488400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	Conductivity	n/a	=	748	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0017	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	DO	n/a	=	85.3	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	DO	n/a	=	7.92	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	pH	n/a	=	7.66	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	Specific Conductance	n/a	=	854	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	10/28/2016 9:10:00 AM	Temperature	n/a	=	18.4	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/3/2016 12:25:00 AM	Gasoline Range Organics	n/a	DNQ	0.047	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/2/2016 4:43:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:10:00 AM	11/2/2016 4:43:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 2:17:00 PM	Chloride	n/a	=	36	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.35	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/5/2016 2:10:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 2:17:00 PM	Sulfate	Total	=	170	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Calcium	Total	=	116	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Magnesium	Total	=	23.2	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Potassium	Total	=	9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Sodium	Total	=	42	mg/L	EPA 200.7	0.015	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	130	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	38	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 11:48:00 AM	COD	n/a	=	290	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	26	mg/L	SM 5310 C	5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	22	mg/L	SM 5310 C	0.13	3	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Hardness as CaCO3	Total	=	385	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/29/2016 3:17:00 PM	MBAS	n/a	=	0.46	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 9:40:00 AM	Phenolics	n/a	=	0.12	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	640	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	440	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	32	mg/L	SM 5310 C	0.18	6	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	4000	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	210	NTU	EPA 180.1	0.24	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	550	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/28/2016 9:14:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/28/2016 9:14:00 PM	Oil Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Aluminum	Dissolved	=	23	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Aluminum	Total	=	7500	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Antimony	Total	=	4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Arsenic	Dissolved	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Arsenic	Total	=	7.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Barium	Total	=	150	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Beryllium	Total	=	0.29	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Cadmium	Dissolved	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Cadmium	Total	=	1.8	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Chromium	Dissolved	=	0.91	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Chromium	Total	=	19	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.56	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Copper	Dissolved	=	7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Copper	Total	=	72	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 11:34:00 AM	Iron	Dissolved	=	150	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/2/2016 12:09:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Lead	Dissolved	=	0.44	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Lead	Total	=	18	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/18/2016 4:13:00 PM	Mercury	Dissolved	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/18/2016 4:15:00 PM	Mercury	Total	=	180	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Nickel	Total	=	27	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Selenium	Dissolved	=	3.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Selenium	Total	=	4.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Silver	Total	=	0.22	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Thallium	Total	DNQ	0.12	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 6:29:00 PM	Zinc	Dissolved	=	33	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 7:49:00 PM	Zinc	Total	=	290	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	1.3	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/31/2016 3:59:00 PM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/10/2016 1:21:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/7/2016 8:14:00 PM	Phosphorus as P	Total	=	1.8	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	7.9	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2-Methylphenol	n/a	DNQ	2.4	µg/L	EPA 8270C	1.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	5.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Butyl benzyl phthalate	n/a	DNQ	1.1	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Diethyl phthalate	n/a	DNQ	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/30/2016 6:07:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	2,4-DB	n/a	=	3.9	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Chlorpyrifos	n/a	=	0.01	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Dichlorvos	n/a	DNQ	0.0086	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	10/31/2016 8:41:00 AM	Glyphosate	n/a	=	9	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Malathion	n/a	=	0.014	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Pentachlorophenol	n/a	DNQ	0.11	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/15/2016 4:24:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	12/1/2016 12:33:00 AM	Pentachlorophenol	n/a	DNQ	3.1	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/4/2016 3:44:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0053	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/12/2016 8:17:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/8/2016 8:52:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-1	Wet	10/28/2016 9:25:00 AM	11/11/2016 8:37:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/21/2016 9:55:00 PM	E. Coli	n/a	=	3448	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/24/2016 8:02:00 AM	Fecal Coliform	n/a	=	4900	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/21/2016 9:55:00 PM	Total Coliform	n/a	=	195600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	Conductivity	n/a	=	417.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	DNQ	0.0009	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	DO	n/a	=	91.2	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	DO	n/a	=	9.07	mg/L	Field Meter	-88	0.3	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	pH	n/a	=	7.41	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	Specific Conductance	n/a	=	515	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/20/2016 11:45:00 PM	Temperature	n/a	=	15.4	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	12/1/2016 4:38:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/24/2016 11:36:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2016/17-2	Wet	11/20/2016 11:45:00 PM	11/24/2016 11:36:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	27	mg/L	EPA 300.0	1	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/12/2016 10:53:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	160	mg/L	EPA 300.0	1	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Calcium	Total	=	53.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Magnesium	Total	=	15.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Potassium	Total	=	4.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Sodium	Total	=	31	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/30/2016 9:57:00 PM	Alkalinity as CaCO3	n/a	=	79	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	60	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	16	mg/L	SM 5310 C	4	4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	11	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Hardness as CaCO3	Total	=	196	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.23	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/30/2016 9:46:00 AM	Phenolics	n/a	=	0.028	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	550	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	380	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 C	0.09	3	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	92	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	29	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	31	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 6:54:00 AM	Diesel Range Organics	n/a	=	0.88	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 6:54:00 AM	Oil Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Aluminum	Dissolved	=	13	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	6.5	25	WKL	HB-MSR
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Antimony	Dissolved	=	0.83	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Arsenic	Total	=	2.4	µg/L	EPA 200.8	0.37	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Barium	Total	=	27	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Cadmium	Dissolved	DNQ	0.074	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Cadmium	Total	DNQ	0.27	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Chromium	Dissolved	=	1.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Chromium	Total	=	4.6	µg/L	EPA 200.8	0.18	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Copper	Dissolved	=	8.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Copper	Total	=	19	µg/L	EPA 200.8	0.65	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:03:00 PM	Iron	Dissolved	=	36	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 12:44:00 PM	Iron	Total	=	2400	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Lead	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Lead	Total	=	3.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 3:05:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/2/2016 3:07:00 PM	Mercury	Total	DNQ	25	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Nickel	Dissolved	=	2.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Nickel	Total	=	5.8	µg/L	EPA 200.8	0.22	4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Selenium	Dissolved	=	4.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Selenium	Total	=	4.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:26:00 PM	Thallium	Total	DNQ	0.021	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/7/2016 4:18:00 PM	Zinc	Dissolved	=	21	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/8/2016 5:37:00 PM	Zinc	Total	=	78	µg/L	EPA 200.8	4.7	25	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.67	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/22/2016 10:23:00 AM	Nitrate + Nitrite as N	n/a	=	2	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 8:35:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 3:23:00 PM	Phosphorus as P	Total	=	0.39	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2,4-Dinitrophenol	n/a	DNQ	6.7	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Diethyl phthalate	n/a	DNQ	0.9	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/16/2016 6:25:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	11/28/2016 10:13:00 PM	Glyphosate	n/a	=	18	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Malathion	n/a	=	0.015	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Pentachlorophenol	n/a	DNQ	0.1	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/10/2016 2:26:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/21/2016 10:52:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/4/2016 8:05:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/23/2016 9:09:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/1/2016 9:54:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-2	Wet	11/21/2016 12:04:00 AM	12/5/2016 9:37:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	11199	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/17/2016 8:10:00 PM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Conductivity	n/a	=	406.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	DO	n/a	=	9.48	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	DO	n/a	=	92.5	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	pH	n/a	=	7.59	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Salinity	n/a	=	300	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Specific Conductance	n/a	=	513	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/15/2016 9:00:00 PM	Temperature	n/a	=	14.2	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/21/2016 6:37:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/20/2016 10:10:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2016/17-3	Wet	12/15/2016 9:00:00 PM	12/20/2016 10:10:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	21	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 11:30:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	110	mg/L	EPA 300.0	1	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Calcium	Total	=	33.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Magnesium	Total	=	10.2	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Potassium	Total	=	2.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Sodium	Total	=	23	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	71	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	7.1	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	30	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	14	mg/L	SM 5310 C	2.5	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	5.9	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:12:00 PM	Hardness as CaCO3	Total	=	126	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	=	0.084	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 11:49:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	420	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	230	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	6.9	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	93	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	30	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	29	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/5/2017 6:18:00 PM	Diesel Range Organics	n/a	=	0.46	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/5/2017 6:18:00 PM	Oil Range Organics	n/a	=	0.51	mg/L	EPA 8015D	0.33	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/3/2017 2:48:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/3/2017 3:01:00 PM	Aluminum	Total	=	320	µg/L	EPA 200.8	13	50	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Antimony	Dissolved	=	0.79	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Antimony	Total	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 AM	Arsenic	Total	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Barium	Total	=	12	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Cadmium	Total	DNQ	0.045	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Chromium	Dissolved	=	0.74	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Chromium	Total	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.58	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Copper	Dissolved	=	5.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Copper	Total	=	8.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 7:09:00 PM	Iron	Dissolved	=	28	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 8:12:00 PM	Iron	Total	=	440	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 3:03:00 PM	Lead	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 3:25:00 PM	Lead	Total	=	1.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/30/2016 2:50:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/30/2016 2:52:00 PM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Nickel	Total	=	2.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/30/2016 3:42:00 PM	Selenium	Dissolved	=	3.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/30/2016 4:00:00 PM	Selenium	Total	=	3.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 3:03:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 3:25:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 8:17:00 PM	Zinc	Dissolved	=	14	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 9:59:00 PM	Zinc	Total	=	28	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.36	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/20/2016 1:20:00 PM	Nitrate + Nitrite as N	n/a	=	1.4	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/29/2016 5:08:00 PM	Phosphorus as P	Dissolved	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 1:17:00 PM	Phosphorus as P	Total	=	0.19	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	2-Chloronaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2-Methylphenol	n/a	=	1.2	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.66	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	4.2	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Diethyl phthalate	n/a	DNQ	0.79	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 3:37:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Dichlorvos	n/a	DNQ	0.0078	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/21/2016 5:06:00 PM	Glyphosate	n/a	=	7.6	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Malathion	n/a	DNQ	0.0077	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/28/2016 2:52:00 PM	Pentachlorophenol	n/a	DNQ	0.86	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/10/2017 8:57:00 PM	Pentachlorophenol	n/a	DNQ	0.61	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/31/2016 6:03:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	1/7/2017 9:54:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/22/2016 3:08:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-3	Wet	12/16/2016 10:20:00 AM	12/27/2016 9:37:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/30/2017 3:48:00 PM	Chloride	n/a	=	170	mg/L	EPA 300.0	0.2	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	0.54	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/31/2017 10:14:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/30/2017 3:48:00 PM	Sulfate	Total	=	1100	mg/L	EPA 300.0	1.8	9	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	1793	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	281	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 3:30:00 PM	Fecal Coliform	n/a	=	2200	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	32820	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Calcium	Total	=	306	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Magnesium	Total	=	111	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Sodium	Total	=	230	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 8:03:00 PM	COD	n/a	=	8.2	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	Conductivity	n/a	=	1937	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	79	mg/L	SM 5310 C	20	20	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	3	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	DO	n/a	=	101.3	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	DO	n/a	=	9.43	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Hardness as CaCO3	Total	=	1220	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	DNQ	0.02	mg/L	SM 5540 C	0.019	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	pH	n/a	=	7.85	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 1:38:00 PM	Phenolics	n/a	=	0.055	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	3100	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	Specific Conductance	n/a	=	2211	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/18/2017 9:15:00 AM	Temperature	n/a	=	18.5	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	2300	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	2.5	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	=	7	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	0.23	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 11:46:00 PM	Diesel Range Organics	n/a	DNQ	0.061	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 8:47:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	DNQ	3.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 11:46:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/2/2017 12:58:00 PM	Aluminum	Dissolved	DNQ	1.7	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/2/2017 1:02:00 PM	Aluminum	Total	DNQ	3.4	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Antimony	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Antimony	Total	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Arsenic	Total	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Barium	Total	=	15	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Cadmium	Dissolved	DNQ	0.069	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Cadmium	Total	DNQ	0.064	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Chromium	Total	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	1.6	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Copper	Dissolved	=	0.81	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Copper	Total	=	0.94	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:28:00 PM	Iron	Dissolved	DNQ	5	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/9/2017 10:43:00 PM	Iron	Total	=	12	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Lead	Total	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:38:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:40:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Nickel	Total	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Selenium	Dissolved	=	35	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Selenium	Total	=	34	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 11:58:00 AM	Zinc	Dissolved	DNQ	4.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:23:00 PM	Zinc	Total	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/19/2017 11:51:00 AM	Nitrate + Nitrite as N	n/a	=	9	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 1:11:00 PM	Phosphorus as P	Dissolved	DNQ	0.0054	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 12:08:00 PM	Phosphorus as P	Total	DNQ	0.0076	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/25/2017 3:21:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.3	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Diethyl phthalate	n/a	=	1.2	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/25/2017 3:21:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 2:25:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Fensulfthion	n/a	DNQ	0.003	µg/L	EPA 525.2m	0.0029	0.01	WKL	UL-MB
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 10:53:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/26/2017 7:39:00 AM	Pentachlorophenol	n/a	=	1.6	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 1:04:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/23/2017 2:17:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/3/2017 12:36:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	5/24/2017 10:09:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2016/17-6	Dry	5/18/2017 9:15:00 AM	6/15/2017 5:31:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	181	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 11:55:00 AM	Calcium	Total	=	273	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 11:55:00 AM	Magnesium	Total	=	98.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Conductivity	n/a	=	1636	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Discharge	n/a	=	0.5	cfs	Field Estimate	-88	0.01	Field Crew	EST

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	DO	n/a	=	187.4	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	DO	n/a	=	15.34	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 11:55:00 AM	Hardness as CaCO3	Total	=	1090	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	pH	n/a	=	8.17	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Specific Conductance	n/a	=	1628	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Temperature	n/a	=	25.3	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/17/2017 2:05:00 PM	Total Organic Carbon	n/a	=	3.3	mg/L	SM 5310 C	0.331	3	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/3/2017 10:55:00 AM	Turbidity	n/a	=	1.75	NTU	Field Meter	-88	0.01	Field Crew	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 2:56:00 PM	Copper	Dissolved	=	0.56	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 2:56:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2017-DRY	Dry	8/3/2017 10:55:00 AM	8/9/2017 2:56:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/31/2016 7:45:00 AM	Fecal Coliform	n/a	=	54000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	Conductivity	n/a	=	513	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.0055	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	DO	n/a	=	67.6	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	DO	n/a	=	6.05	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	pH	n/a	=	7.69	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	Specific Conductance	n/a	=	570	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	10/28/2016 6:15:00 AM	Temperature	n/a	=	20.3	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/2/2016 10:23:00 PM	Gasoline Range Organics	n/a	DNQ	0.056	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/2/2016 3:58:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 6:15:00 AM	11/2/2016 3:58:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 2:17:00 PM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/5/2016 1:28:00 PM	Perchlorate	n/a	=	2.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 2:17:00 PM	Sulfate	Total	=	33	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Calcium	Total	=	27.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Magnesium	Total	=	8.24	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Potassium	Total	=	10	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Sodium	Total	=	11	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	64	mg/L	SM 2320 B	0.56	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 4:01:00 PM	BOD	n/a	=	34	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 11:48:00 AM	COD	n/a	=	380	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	15	mg/L	SM 5310 C	2	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	28	mg/L	SM 5310 C	0.13	3	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Hardness as CaCO3	Total	=	103	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/29/2016 3:17:00 PM	MBAS	n/a	=	1	mg/L	SM 5540 C	0.19	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 10:07:00 AM	Phenolics	n/a	=	0.038	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/29/2016 11:44:00 AM	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	150	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	38	mg/L	SM 5310 C	0.18	6	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	1000	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/29/2016 12:25:00 PM	Turbidity	n/a	=	270	NTU	EPA 180.1	0.48	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	210	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/28/2016 8:04:00 PM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/28/2016 8:04:00 PM	Oil Range Organics	n/a	=	2.7	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Aluminum	Dissolved	=	38	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Aluminum	Total	=	9700	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Antimony	Total	=	4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Arsenic	Total	=	5.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Barium	Total	=	240	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Beryllium	Total	=	0.4	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Cadmium	Dissolved	=	0.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Cadmium	Total	=	1.5	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Chromium	Dissolved	=	2.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Chromium	Total	=	22	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	1.6	µg/L	EPA 218.6	0.0048	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Copper	Dissolved	=	18	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Copper	Total	=	82	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 11:28:00 AM	Iron	Dissolved	=	110	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/2/2016 12:03:00 PM	Iron	Total	=	15000	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Lead	Dissolved	=	1.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Lead	Total	=	62	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/18/2016 4:02:00 PM	Mercury	Dissolved	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/18/2016 4:04:00 PM	Mercury	Total	=	64	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Nickel	Dissolved	=	6.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Nickel	Total	=	25	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Selenium	Dissolved	DNQ	0.39	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Selenium	Total	=	0.74	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Silver	Total	=	0.26	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Thallium	Total	DNQ	0.12	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 6:15:00 PM	Zinc	Dissolved	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 7:35:00 PM	Zinc	Total	=	580	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.9	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/31/2016 3:55:00 PM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/10/2016 1:18:00 PM	Phosphorus as P	Dissolved	=	0.57	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/7/2016 8:11:00 PM	Phosphorus as P	Total	=	1.9	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/7/2016 4:16:00 PM	TKN	n/a	=	7.2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzenzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 4:58:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	2,4-DB	n/a	=	4.3	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Chlorpyrifos	n/a	=	0.043	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	DCCA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Dichlorvos	n/a	DNQ	0.0061	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	10/31/2016 8:12:00 PM	Glyphosate	n/a	=	36	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Malathion	n/a	=	0.046	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Molinat	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Pentachlorophenol	n/a	=	0.57	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/15/2016 3:22:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/30/2016 11:33:00 PM	Pentachlorophenol	n/a	DNQ	6.9	µg/L	EPA 8270C	1.5	10	WKL	HB-LCSR
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/4/2016 2:32:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.008	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/12/2016 7:16:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/8/2016 8:01:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-1	Wet	10/28/2016 12:55:00 PM	11/11/2016 7:46:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/21/2016 9:50:00 PM	E. Coli	n/a	=	38730	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/23/2016 6:15:00 AM	Fecal Coliform	n/a	=	110000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/21/2016 9:50:00 PM	Total Coliform	n/a	=	980400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	Conductivity	n/a	=	55.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	12/2/2016 9:14:00 PM	Cyanide	Total	=	0.0058	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	DO	n/a	=	8.53	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	DO	n/a	=	87.2	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	pH	n/a	=	7.4	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	Specific Conductance	n/a	=	80.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/20/2016 9:30:00 PM	Temperature	n/a	=	16.1	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	12/1/2016 2:26:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	DNQ	3.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/24/2016 9:39:00 PM	11/24/2016 10:39:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2016/17-2	Wet	11/20/2016 9:30:00 PM	11/24/2016 10:39:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	5.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	DNQ	0.066	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/12/2016 9:51:00 PM	Perchlorate	n/a	=	4.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	18	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Calcium	Total	=	14.3	mg/L	EPA 200.7	0.016	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Magnesium	Total	=	3.26	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Potassium	Total	=	5.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Sodium	Total	=	6.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/30/2016 3:00:00 PM	Alkalinity as CaCO3	n/a	=	32	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	25	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	150	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.7	mg/L	SM 5310 C	2	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	22	mg/L	SM 5310 C	0.13	3	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Hardness as CaCO3	Total	=	49.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.26	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/30/2016 9:44:00 AM	Phenolics	n/a	=	0.066	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	140	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	130	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	31	mg/L	SM 5310 C	0.18	6	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	170	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	76	NTU	EPA 180.1	0.24	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	57	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 5:45:00 AM	Diesel Range Organics	n/a	=	2.1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 5:45:00 AM	Oil Range Organics	n/a	=	3.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Aluminum	Dissolved	=	35	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Aluminum	Total	=	2500	µg/L	EPA 200.8	6.5	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Antimony	Dissolved	=	0.98	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.37	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Barium	Total	=	54	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Beryllium	Total	=	0.1	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Cadmium	Dissolved	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Cadmium	Total	DNQ	0.41	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Chromium	Total	=	6.2	µg/L	EPA 200.8	0.18	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	1.1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Copper	Dissolved	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Copper	Total	=	35	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 11:57:00 AM	Iron	Dissolved	=	71	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 12:38:00 PM	Iron	Total	=	3700	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Lead	Dissolved	=	1.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Lead	Total	=	15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 2:57:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/2/2016 2:59:00 PM	Mercury	Total	=	50	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Nickel	Dissolved	=	4.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Nickel	Total	=	9.2	µg/L	EPA 200.8	0.22	4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Selenium	Total	=	0.53	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 6:11:00 PM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/7/2016 4:09:00 PM	Zinc	Dissolved	=	98	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/8/2016 5:28:00 PM	Zinc	Total	=	230	µg/L	EPA 200.8	4.7	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.87	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/22/2016 10:19:00 AM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 9:15:00 PM	Phosphorus as P	Dissolved	=	0.41	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 2:39:00 PM	Phosphorus as P	Total	=	0.91	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.8	µg/L	EPA 8270C	0.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(b)fluoranthene	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/16/2016 3:33:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Chlorpyrifos	n/a	DNQ	0.0089	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Dichlorvos	n/a	DNQ	0.004	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Fensulfothion	n/a	DNQ	0.0043	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 8:40:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	11/28/2016 9:47:00 PM	Glyphosate	n/a	=	15	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Malathion	n/a	=	0.031	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Pentachlorophenol	n/a	=	0.47	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/10/2016 1:54:00 PM	Pentachlorophenol	n/a	DNQ	4	µg/L	EPA 625	0.95	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/21/2016 9:50:00 PM	Pentachlorophenol	n/a	DNQ	4	µg/L	EPA 8270C	0.75	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/4/2016 6:53:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Stirophos (Tetrachlorvinphos)	n/a	=	0.01	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/23/2016 8:07:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/1/2016 9:28:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-2	Wet	11/21/2016 8:40:00 AM	12/5/2016 8:46:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	30760	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/19/2016 6:45:00 PM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	Conductivity	n/a	=	207.1	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	=	0.0023	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	DO	n/a	=	180	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	DO	n/a	=	17.79	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	Specific Conductance	n/a	=	251.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/15/2016 6:45:00 PM	Temperature	n/a	=	15.7	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/21/2016 5:36:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/20/2016 9:13:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2016/17-3	Wet	12/15/2016 6:45:00 PM	12/20/2016 9:13:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	3.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	DNQ	0.052	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 10:49:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	9.6	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Calcium	Total	=	9.42	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Magnesium	Total	=	2.29	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Potassium	Total	=	3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Sodium	Total	=	4.2	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	27	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	13	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	82	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.2	mg/L	SM 5310 C	2	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	9.4	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Hardness as CaCO3	Total	=	33	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/17/2016 7:16:00 PM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 11:46:00 AM	Phenolics	n/a	=	0.014	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	91	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	55	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	170	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	68	NTU	EPA 180.1	0.24	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	41	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/23/2016 2:48:00 AM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/23/2016 2:48:00 AM	Oil Range Organics	n/a	=	2.4	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/3/2017 2:37:00 PM	Aluminum	Dissolved	=	21	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/3/2017 3:17:00 PM	Aluminum	Total	=	2500	µg/L	EPA 200.8	26	100	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Antimony	Dissolved	=	0.73	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Arsenic	Dissolved	=	0.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Arsenic	Total	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Barium	Total	=	62	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Cadmium	Dissolved	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Cadmium	Total	=	0.33	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Chromium	Dissolved	=	0.87	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Chromium	Total	=	6.2	µg/L	EPA 200.8	0.035	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.53	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Copper	Dissolved	=	8.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Copper	Total	=	24	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 6:57:00 PM	Iron	Dissolved	=	40	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 7:00:00 PM	Iron	Total	=	3400	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 8:00:00 PM	Lead	Dissolved	=	0.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 3:22:00 PM	Lead	Total	=	14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/30/2016 2:39:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/30/2016 2:41:00 PM	Mercury	Total	=	51	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Nickel	Dissolved	=	2.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Nickel	Total	=	6.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/30/2016 3:39:00 PM	Selenium	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/30/2016 3:57:00 PM	Selenium	Total	DNQ	0.31	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Silver	Total	DNQ	0.086	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 3:00:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 3:22:00 PM	Thallium	Total	DNQ	0.028	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 8:03:00 PM	Zinc	Dissolved	=	67	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 9:44:00 PM	Zinc	Total	=	180	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.37	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/20/2016 1:16:00 PM	Nitrate + Nitrite as N	n/a	=	0.69	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/29/2016 5:05:00 PM	Phosphorus as P	Dissolved	=	0.24	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 1:15:00 PM	Phosphorus as P	Total	=	0.57	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzdine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 2:27:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Chlorpyrifos	n/a	=	0.013	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Dichlorvos	n/a	DNQ	0.0043	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/21/2016 4:40:00 PM	Glyphosate	n/a	=	12	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Malathion	n/a	=	0.021	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 1:48:00 PM	Pentachlorophenol	n/a	DNQ	7.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/10/2017 7:55:00 PM	Pentachlorophenol	n/a	DNQ	2.6	µg/L	EPA 8270C	0.75	5	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Pentachlorophenol	n/a	=	0.49	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/31/2016 4:50:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	EST
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	1/7/2017 5:17:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/22/2016 2:16:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2016/17-3	Wet	12/16/2016 8:53:00 AM	12/28/2016 12:36:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/31/2016 7:30:00 AM	Fecal Coliform	n/a	=	47000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	410600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	Conductivity	n/a	=	1779	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	DO	n/a	=	90.6	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	DO	n/a	=	8.79	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	pH	n/a	=	8.37	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	Specific Conductance	n/a	=	2130	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	10/28/2016 10:10:00 AM	Temperature	n/a	=	16.4	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/3/2016 12:55:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/2/2016 2:14:00 PM	Oil and Grease	n/a	DNQ	3.2	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/2/2016 5:05:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2016/17-1	Wet	10/28/2016 10:10:00 AM	11/2/2016 5:05:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 6:10:00 PM	Chloride	n/a	=	230	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 6:10:00 PM	Fluoride	n/a	DNQ	0.55	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/5/2016 4:15:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 6:10:00 PM	Sulfate	Total	=	340	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Calcium	Total	=	127	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Magnesium	Total	=	107	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Potassium	Total	=	6.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Sodium	Total	=	140	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 6:24:00 PM	Alkalinity as CaCO3	n/a	=	310	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 4:01:00 PM	BOD	n/a	=	20	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 8:24:00 PM	COD	n/a	=	140	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/7/2016 3:51:00 PM	Dissolved Inorganic Carbon	Dissolved	=	76	mg/L	SM 5310 C	10	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 4:26:00 PM	Dissolved Organic Carbon	Dissolved	=	9.7	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Hardness as CaCO3	Total	=	756	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	10/29/2016 4:14:00 PM	MBAS	n/a	<	0.095	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:44:00 AM	Phenolics	n/a	=	0.025	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 1:13:00 PM	Specific Conductance	n/a	=	2100	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/1/2016 4:30:00 PM	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/2/2016 12:25:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.09	3	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 4:20:00 PM	Total Suspended Solids	n/a	=	1900	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	10/29/2016 6:53:00 PM	Turbidity	n/a	=	470	NTU	EPA 180.1	0.48	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/3/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	400	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/29/2016 12:11:00 AM	Diesel Range Organics	n/a	=	0.18	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/29/2016 12:11:00 AM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Aluminum	Dissolved	DNQ	3.4	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Aluminum	Total	=	7900	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Antimony	Total	=	0.62	µg/L	EPA 200.8	0.045	0.5	WKL	LB-MSR
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Arsenic	Dissolved	=	3.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Arsenic	Total	=	5.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Barium	Total	=	82	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Beryllium	Total	=	0.24	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Cadmium	Total	=	0.7	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Chromium	Dissolved	=	0.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Chromium	Total	=	22	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/10/2016 8:09:00 PM	Chromium VI	n/a	=	0.073	µg/L	EPA 218.6	0.0048	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:32:00 PM	Iron	Dissolved	=	22	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:40:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Lead	Total	=	5.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/17/2016 3:55:00 PM	Mercury	Dissolved	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/17/2016 3:57:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Nickel	Dissolved	=	3.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Nickel	Total	=	22	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/10/2016 11:12:00 AM	Selenium	Dissolved	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Selenium	Total	=	2.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Thallium	Total	DNQ	0.09	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:05:00 PM	Zinc	Dissolved	=	5.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 10:42:00 PM	Zinc	Total	=	81	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.21	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	10/29/2016 4:29:00 PM	Nitrate + Nitrite as N	n/a	=	0.61	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/10/2016 12:54:00 PM	Phosphorus as P	Dissolved	=	0.076	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/7/2016 8:53:00 PM	Phosphorus as P	Total	=	0.78	mg/L	EPA 365.1	0.014	0.1	WKL	LB-MSR
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/7/2016 4:16:00 PM	TKN	n/a	=	4.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzenidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Dimethyl phthalate	n/a	=	6	µg/L	EPA 625	0.9	5	WKL	HB-LCSR
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/30/2016 8:56:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/8/2016 3:59:00 PM	Glyphosate	n/a	DNQ	3.1	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Malathion	n/a	DNQ	0.0089	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Molinat	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 6:55:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	12/1/2016 3:00:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/4/2016 9:10:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/9/2016 4:51:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/15/2016 5:36:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-1	Wet	10/29/2016 8:52:00 AM	11/11/2016 10:44:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 10:10:00 PM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/24/2016 8:10:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 10:10:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	Conductivity	n/a	=	1263	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	12/2/2016 9:14:00 PM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	DO	n/a	=	9.26	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	DO	n/a	=	89.5	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	pH	n/a	=	8.24	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	Specific Conductance	n/a	=	1617	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/21/2016 12:45:00 AM	Temperature	n/a	=	13.6	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	12/1/2016 6:01:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	12/1/2016 3:20:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/24/2016 12:33:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 12:45:00 AM	11/24/2016 12:33:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	170	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.2	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/12/2016 11:34:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	260	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Calcium	Total	=	122	mg/L	EPA 200.7	0.032	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Magnesium	Total	=	83.4	mg/L	EPA 200.7	0.024	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Potassium	Total	=	6.3	mg/L	EPA 200.7	0.16	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Sodium	Total	=	99	mg/L	EPA 200.7	0.03	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/3/2016 6:07:00 PM	Alkalinity as CaCO3	n/a	=	250	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/27/2016 6:25:00 PM	BOD	n/a	=	10	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 4:32:00 PM	COD	n/a	=	75	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	57	mg/L	SM 5310 C	10	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	13	mg/L	SM 5310 C	0.13	3	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Hardness as CaCO3	Total	=	648	mg/L	EPA 200.7	0.179	1.32	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 6:50:00 PM	MBAS	n/a	=	0.062	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/30/2016 9:49:00 AM	Phenolics	n/a	=	0.06	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	900	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	16	mg/L	SM 5310 C	0.09	3	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	140	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	56	NTU	EPA 180.1	0.24	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	47	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 9:14:00 AM	Diesel Range Organics	n/a	=	0.56	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 9:14:00 AM	Oil Range Organics	n/a	DNQ	0.46	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Aluminum	Dissolved	=	5.1	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 12:33:00 PM	Aluminum	Total	=	13000	µg/L	EPA 200.8	260	1000	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Antimony	Total	=	0.53	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Arsenic	Dissolved	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Arsenic	Total	=	5.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Barium	Total	=	110	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Beryllium	Total	=	0.39	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Cadmium	Total	=	1.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Chromium	Dissolved	=	0.31	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Chromium	Total	=	34	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.22	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Copper	Dissolved	=	3.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Copper	Total	=	41	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 10:46:00 AM	Iron	Dissolved	=	39	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/7/2016 11:21:00 AM	Iron	Total	=	18000	µg/L	EPA 200.7	2.2	20	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Lead	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Lead	Total	=	10	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:22:00 PM	Mercury	Dissolved	<	34	ng/L	EPA 245.1	34	100	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/2/2016 3:24:00 PM	Mercury	Total	=	130	ng/L	EPA 245.1	34	100	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Nickel	Total	=	36	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Selenium	Dissolved	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Selenium	Total	=	3.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:29:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Thallium	Total	DNQ	0.15	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Zinc	Dissolved	DNQ	4.9	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/13/2016 5:59:00 PM	Zinc	Total	=	160	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/29/2016 7:02:00 PM	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/22/2016 10:28:00 AM	Nitrate + Nitrite as N	n/a	=	0.9	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 8:41:00 PM	Phosphorus as P	Dissolved	=	0.11	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/5/2016 3:25:00 PM	Phosphorus as P	Total	=	0.41	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2,4-Dinitrophenol	n/a	DNQ	6.6	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	4.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(b)fluoranthene	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Dimethyl phthalate	n/a	DNQ	3.6	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/16/2016 7:36:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	11/28/2016 10:52:00 PM	Glyphosate	n/a	DNQ	3.6	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/14/2016 11:51:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/21/2016 11:54:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/4/2016 9:18:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/23/2016 10:10:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/1/2016 1:09:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-2	Wet	11/21/2016 10:00:00 AM	12/6/2016 12:35:00 PM	Trithion	n/a	DNQ	0.07	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/18/2016 6:38:00 PM	Fecal Coliform	n/a	=	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	129970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Conductivity	n/a	=	259.7	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	=	0.0046	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	DO	n/a	=	98.4	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	DO	n/a	=	10.15	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	pH	n/a	=	8.16	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Specific Conductance	n/a	=	329.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/15/2016 9:45:00 PM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/21/2016 7:39:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/20/2016 11:06:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2016/17-3	Wet	12/15/2016 9:45:00 PM	12/20/2016 11:06:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	57	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 12:11:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	87	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Calcium	Total	=	35.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Magnesium	Total	=	27.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Potassium	Total	=	3.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Sodium	Total	=	41	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 7:24:00 PM	Alkalinity as CaCO3	n/a	=	130	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	10	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	73	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	30	mg/L	SM 5310 C	5	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Hardness as CaCO3	Total	=	204	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/17/2016 7:03:00 PM	MBAS	n/a	DNQ	0.033	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/29/2016 11:05:00 AM	Phenolics	n/a	=	0.036	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	580	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	310	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/23/2016 4:50:00 PM	Total Suspended Solids	n/a	=	370	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	9.6	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/23/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	68	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/5/2017 7:29:00 PM	Diesel Range Organics	n/a	=	0.47	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/5/2017 7:29:00 PM	Oil Range Organics	n/a	DNQ	0.43	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Aluminum	Dissolved	=	13	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:51:00 PM	Aluminum	Total	=	4000	µg/L	EPA 200.8	13	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 4:14:00 PM	Antimony	Dissolved	=	0.63	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 4:19:00 PM	Antimony	Total	=	0.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Barium	Total	=	32	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Cadmium	Dissolved	DNQ	0.042	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Cadmium	Total	=	0.29	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.21	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 3:58:00 PM	Iron	Dissolved	=	54	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 4:01:00 PM	Iron	Total	=	5300	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Lead	Dissolved	DNQ	0.092	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Lead	Total	=	2.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 3:16:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 3:18:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Nickel	Total	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 3:09:00 PM	Selenium	Dissolved	=	0.57	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 3:13:00 PM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Silver	Dissolved	DNQ	0.085	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Thallium	Dissolved	DNQ	0.016	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Thallium	Total	DNQ	0.05	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:06:00 PM	Zinc	Dissolved	DNQ	4.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/4/2017 1:28:00 PM	Zinc	Total	=	46	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.14	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/20/2016 1:25:00 PM	Nitrate + Nitrite as N	n/a	=	0.7	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/29/2016 5:11:00 PM	Phosphorus as P	Dissolved	=	0.17	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 1:33:00 PM	Phosphorus as P	Total	=	0.46	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/23/2016 2:54:00 PM	TKN	n/a	=	1.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2,4-Dinitrophenol	n/a	DNQ	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2-Methylphenol	n/a	DNQ	0.37	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	EST-LCSRPD
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.68	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzdine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Dimethyl phthalate	n/a	=	5.4	µg/L	EPA 625	0.9	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 4:47:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Dichlorvos	n/a	DNQ	0.0086	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/21/2016 7:46:00 PM	Glyphosate	n/a	DNQ	4.1	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/30/2016 8:48:00 AM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/10/2017 9:58:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/31/2016 7:16:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	1/7/2017 10:56:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/22/2016 3:59:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-3	Wet	12/16/2016 11:00:00 AM	12/27/2016 10:28:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/30/2017 3:48:00 PM	Chloride	n/a	=	250	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/30/2017 3:48:00 PM	Fluoride	n/a	=	0.36	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/31/2017 10:34:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/30/2017 3:48:00 PM	Sulfate	Total	=	360	mg/L	EPA 300.0	0.7	3.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 8:30:00 AM	E. Coli	n/a	=	41	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 2:00:00 PM	Enterococcus	n/a	=	52	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/21/2017 3:40:00 PM	Fecal Coliform	n/a	=	170	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 8:30:00 AM	Total Coliform	n/a	=	2909	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Calcium	Total	=	119	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Magnesium	Total	=	116	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Potassium	Total	=	2.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Sodium	Total	=	170	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 1:29:00 PM	Alkalinity as CaCO3	n/a	=	360	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 6:39:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:03:00 PM	COD	n/a	DNQ	2.2	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	Conductivity	n/a	=	1681	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 6:32:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 12:42:00 PM	Dissolved Inorganic Carbon	Dissolved	=	100	mg/L	SM 5310 C	20	20	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 12:58:00 PM	Dissolved Organic Carbon	Dissolved	=	3.6	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	DO	n/a	=	10.6	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	DO	n/a	=	107.5	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Hardness as CaCO3	Total	=	773	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 8:20:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	pH	n/a	=	8.3	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 1:39:00 PM	Phenolics	n/a	=	0.011	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	Specific Conductance	n/a	=	2045	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 11:58:00 AM	Specific Conductance	n/a	=	2100	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/18/2017 10:10:00 AM	Temperature	n/a	=	15.7	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 2:02:00 PM	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 2:40:00 PM	Total Organic Carbon	n/a	=	2.9	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 4:30:00 PM	Total Suspended Solids	n/a	DNQ	2	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 10:57:00 AM	Turbidity	n/a	=	0.19	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 4:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/25/2017 12:20:00 AM	Diesel Range Organics	n/a	DNQ	0.078	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 9:17:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/22/2017 3:49:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/25/2017 12:20:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/2/2017 1:19:00 PM	Aluminum	Dissolved	DNQ	1.9	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/2/2017 1:23:00 PM	Aluminum	Total	DNQ	4.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Antimony	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Arsenic	Dissolved	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Arsenic	Total	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Barium	Total	=	20	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Chromium	Dissolved	=	0.38	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Chromium	Total	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/31/2017 8:00:00 AM	Chromium VI	n/a	=	0.39	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Copper	Dissolved	=	1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Copper	Total	=	1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:31:00 PM	Iron	Dissolved	DNQ	2	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/9/2017 10:46:00 PM	Iron	Total	DNQ	7	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Lead	Total	DNQ	0.034	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:42:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:44:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Nickel	Dissolved	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Nickel	Total	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:07:00 PM	Zinc	Dissolved	DNQ	2.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:28:00 PM	Zinc	Total	DNQ	1.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/31/2017 3:21:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/19/2017 11:52:00 AM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 1:03:00 PM	Phosphorus as P	Dissolved	DNQ	0.0092	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 12:12:00 PM	Phosphorus as P	Total	=	0.014	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 6:01:00 PM	TKN	n/a	=	0.35	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	LB-LCSR
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/25/2017 3:49:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Dimethyl phthalate	n/a	=	10	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/25/2017 3:49:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	Phenol	n/a	DNQ	0.36	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 2:58:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 11:06:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/26/2017 8:08:00 AM	Pentachlorophenol	n/a	=	2	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 1:33:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/23/2017 2:54:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Toxathion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/3/2017 1:07:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	5/24/2017 10:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2016/17-6	Dry	5/18/2017 10:10:00 AM	6/15/2017 5:58:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/4/2017 9:00:00 AM	E. Coli	n/a	=	31	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/4/2017 9:00:00 AM	Total Coliform	n/a	=	48840	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 11:58:00 AM	Calcium	Total	=	47.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 11:58:00 AM	Magnesium	Total	=	34.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Conductivity	n/a	=	1432	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	0.01	Field Crew	EST
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	DO	n/a	=	98.2	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	DO	n/a	=	7.75	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 11:58:00 AM	Hardness as CaCO3	Total	=	261	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	pH	n/a	=	8.05	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Specific Conductance	n/a	=	1707	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Temperature	n/a	=	24.7	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/17/2017 5:57:00 AM	Total Organic Carbon	n/a	=	6.7	mg/L	SM 5310 C	0.0331	0.3	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/3/2017 11:40:00 AM	Turbidity	n/a	=	0.81	NTU	Field Meter	-88	0.01	Field Crew	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 3:01:00 PM	Copper	Dissolved	=	1.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 3:01:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2017-DRY	Dry	8/3/2017 11:40:00 AM	8/9/2017 3:01:00 PM	Zinc	Dissolved	=	32	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/29/2016 6:40:00 AM	E. Coli	n/a	=	41060	MPN/100 mL	MMO-MUG	100	100	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/30/2016 9:40:00 AM	Fecal Coliform	n/a	=	170000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/29/2016 6:40:00 AM	Total Coliform	n/a	=	980400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	Conductivity	n/a	=	133.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/10/2016 8:39:00 PM	Cyanide	Total	=	0.007	mg/L	ASTM D7511	0.0005	0.002	WKL	EST-FD
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	DO	n/a	=	78.3	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	DO	n/a	=	7.65	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	pH	n/a	=	7.74	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	Specific Conductance	n/a	=	154.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	10/28/2016 7:55:00 AM	Temperature	n/a	=	17.7	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/2/2016 9:23:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/7/2016 5:25:00 PM	Oil and Grease	n/a	DNQ	3.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/2/2016 3:13:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 7:55:00 AM	11/2/2016 3:13:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 2:17:00 PM	Chloride	n/a	=	25	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 2:17:00 PM	Fluoride	n/a	=	0.36	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/5/2016 1:05:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/10/2016 3:45:00 AM	Sulfate	Total	=	72	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Calcium	Total	=	59.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Magnesium	Total	=	15.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Sodium	Total	=	32	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/3/2016 11:48:00 AM	COD	n/a	=	690	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Hardness as CaCO3	Total	=	211	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Aluminum	Dissolved	=	35	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/9/2016 3:52:00 PM	Aluminum	Total	=	11000	µg/L	EPA 200.8	13	50	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Antimony	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Antimony	Total	=	5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Arsenic	Dissolved	=	3.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Arsenic	Total	=	12	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Barium	Total	=	240	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Beryllium	Total	=	0.44	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Cadmium	Total	=	1.8	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Chromium	Dissolved	=	0.96	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Chromium	Total	=	24	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/9/2016 8:50:00 PM	Chromium VI	n/a	=	0.65	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Copper	Dissolved	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Copper	Total	=	430	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 11:25:00 AM	Iron	Dissolved	=	280	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/2/2016 12:00:00 PM	Iron	Total	=	19000	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Lead	Dissolved	=	0.98	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Lead	Total	=	41	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/18/2016 3:54:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/18/2016 3:56:00 PM	Mercury	Total	=	120	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Nickel	Dissolved	=	7.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Nickel	Total	=	33	µg/L	EPA 200.8	0.045	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Selenium	Dissolved	=	1.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Selenium	Total	=	3.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Silver	Total	<	0.24	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Thallium	Total	DNQ	0.15	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 6:07:00 PM	Zinc	Dissolved	=	49	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:28:00 PM	Zinc	Total	=	960	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/1/2016 6:19:00 PM	Ammonia as N	n/a	=	0.9	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	10/31/2016 12:24:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/10/2016 1:17:00 PM	Phosphorus as P	Dissolved	=	0.43	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/7/2016 8:10:00 PM	Phosphorus as P	Total	=	3	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/7/2016 4:16:00 PM	TKN	n/a	=	16	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1016	n/a	<	2.5	µg/L	EPA 608	2.5	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1221	n/a	<	3	µg/L	EPA 608	3	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1232	n/a	<	7.5	µg/L	EPA 608	7.5	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1242	n/a	<	3.5	µg/L	EPA 608	3.5	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1248	n/a	<	3	µg/L	EPA 608	3	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1254	n/a	<	2	µg/L	EPA 608	2	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	PCB Aroclor 1260	n/a	<	2	µg/L	EPA 608	2	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	2,4-DB	n/a	=	5.9	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	4,4'-DDD	n/a	<	0.15	µg/L	EPA 608	0.15	2.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	4,4'-DDE	n/a	<	0.12	µg/L	EPA 608	0.12	2.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	4,4'-DDT	n/a	<	0.16	µg/L	EPA 608	0.16	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Aldrin	n/a	<	0.075	µg/L	EPA 608	0.075	0.25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	alpha-BHC	n/a	<	0.09	µg/L	EPA 608	0.09	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	alpha-Chlordane	n/a	<	0.2	µg/L	EPA 608	0.2	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	beta-BHC	n/a	<	0.16	µg/L	EPA 608	0.16	0.25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Chlordane (technical)	n/a	<	4	µg/L	EPA 608	4	5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Chlorpyrifos	n/a	=	0.053	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	delta-BHC	n/a	<	0.12	µg/L	EPA 608	0.12	0.25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Diazinon	n/a	=	0.1	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Dichlorvos	n/a	DNQ	0.0041	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Dieldrin	n/a	<	0.1	µg/L	EPA 608	0.1	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endosulfan I	n/a	<	0.085	µg/L	EPA 608	0.085	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endosulfan II	n/a	<	0.095	µg/L	EPA 608	0.095	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endosulfan sulfate	n/a	<	0.4	µg/L	EPA 608	0.4	2.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endrin	n/a	<	0.14	µg/L	EPA 608	0.14	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Endrin aldehyde	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	gamma-BHC (Lindane)	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	gamma-Chlordane	n/a	<	0.22	µg/L	EPA 608	0.22	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/1/2016 12:36:00 PM	Glyphosate	n/a	=	69	µg/L	EPA 547	9	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Heptachlor	n/a	<	0.085	µg/L	EPA 608	0.085	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Heptachlor epoxide	n/a	<	0.095	µg/L	EPA 608	0.095	0.5	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Malathion	n/a	=	0.038	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Methoxychlor	n/a	<	0.27	µg/L	EPA 608	0.27	1	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Pentachlorophenol	n/a	=	0.31	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/4/2016 1:56:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/12/2016 3:11:00 AM	Toxaphene	n/a	<	6	µg/L	EPA 608	6	25	WKL	
MO-VEN	2016/17-1	Wet	10/28/2016 12:40:00 PM	11/8/2016 7:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 10:58:00 AM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 10:58:00 AM	Fluoride	n/a	=	0.14	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/12/2016 9:31:00 PM	Perchlorate	n/a	=	3.6	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 10:58:00 AM	Sulfate	Total	=	32	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Calcium	Total	=	18.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Magnesium	Total	=	5.09	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Sodium	Total	=	13	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:00:00 PM	Alkalinity as CaCO3	n/a	=	36	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/27/2016 6:25:00 AM	BOD	n/a	=	21	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 4:47:00 PM	COD	n/a	=	170	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 3:03:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.4	mg/L	SM 5310 C	2	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/1/2016 11:49:00 AM	Dissolved Organic Carbon	Dissolved	=	19	mg/L	SM 5310 C	0.13	3	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Hardness as CaCO3	Total	=	66.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/22/2016 12:04:00 PM	MBAS	n/a	=	0.35	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 9:42:00 AM	Phenolics	n/a	=	0.06	mg/L	EPA 420.4	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/23/2016 5:40:00 PM	Specific Conductance	n/a	=	190	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/23/2016 10:55:00 AM	Total Dissolved Solids	n/a	=	160	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 12:55:00 PM	Total Organic Carbon	n/a	=	28	mg/L	SM 5310 C	0.09	3	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/23/2016 10:25:00 AM	Total Suspended Solids	n/a	=	190	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/22/2016 3:51:00 PM	Turbidity	n/a	=	69	NTU	EPA 180.1	0.24	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/23/2016 10:25:00 AM	Volatile Suspended Solids	n/a	=	59	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 5:10:00 AM	Diesel Range Organics	n/a	=	2.1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 5:10:00 AM	Oil Range Organics	n/a	=	2.6	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Aluminum	Dissolved	=	40	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Aluminum	Total	=	3800	µg/L	EPA 200.8	6.5	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Antimony	Total	=	2.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Arsenic	Total	=	3.3	µg/L	EPA 200.8	0.37	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Barium	Total	=	63	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Cadmium	Total	DNQ	0.35	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Chromium	Dissolved	=	0.95	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Chromium	Total	=	8.4	µg/L	EPA 200.8	0.18	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 2:50:00 PM	Chromium VI	n/a	=	0.62	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Copper	Total	=	58	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 11:54:00 AM	Iron	Dissolved	=	110	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 12:35:00 PM	Iron	Total	=	6200	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Lead	Dissolved	=	1.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Lead	Total	=	14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 2:54:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/2/2016 2:55:00 PM	Mercury	Total	DNQ	47	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Nickel	Dissolved	=	4.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.22	4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Selenium	Dissolved	=	0.48	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Selenium	Total	=	0.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Silver	Total	DNQ	0.084	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 6:03:00 PM	Thallium	Total	DNQ	0.053	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/7/2016 3:49:00 PM	Zinc	Dissolved	=	87	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/8/2016 5:24:00 PM	Zinc	Total	=	310	µg/L	EPA 200.8	4.7	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/29/2016 7:02:00 AM	Ammonia as N	n/a	=	0.69	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/22/2016 10:17:00 AM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:32:00 PM	Phosphorus as P	Dissolved	=	0.34	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 2:37:00 PM	Phosphorus as P	Total	=	0.88	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/29/2016 2:06:00 PM	TKN	n/a	=	3.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzenzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/6/2016 1:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	9.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/16/2016 2:58:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Chlorpyrifos	n/a	=	0.016	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Diazinon	n/a	=	0.023	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Dichlorvos	n/a	DNQ	0.0087	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/28/2016 9:34:00 PM	Glyphosate	n/a	=	18	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Malathion	n/a	=	0.099	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/10/2016 1:23:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/21/2016 9:19:00 PM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 8270C	0.75	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/4/2016 3:52:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/23/2016 12:43:00 PM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	11/30/2016 3:17:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:25:00 AM	12/5/2016 8:20:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 9:45:00 PM	E. Coli	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/24/2016 8:07:00 AM	Fecal Coliform	n/a	>	2300	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 9:45:00 PM	Total Coliform	n/a	=	686700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	Conductivity	n/a	=	145.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	12/2/2016 9:14:00 PM	Cyanide	Total	DNQ	0.0008	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	DO	n/a	=	95.1	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	DO	n/a	=	9.55	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	pH	n/a	=	7.79	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	Specific Conductance	n/a	=	178.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/21/2016 12:35:00 AM	Temperature	n/a	=	15.2	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	12/1/2016 1:14:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	12/1/2016 6:23:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/24/2016 9:43:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-2	Wet	11/21/2016 12:35:00 AM	11/24/2016 9:43:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/16/2016 6:00:00 PM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/17/2016 8:26:00 PM	Fecal Coliform	n/a	=	92000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/16/2016 6:00:00 PM	Total Coliform	n/a	=	137400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	Conductivity	n/a	=	186.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/28/2016 3:24:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	DO	n/a	=	55.4	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	DO	n/a	=	5.51	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	pH	n/a	=	7.64	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	Specific Conductance	n/a	=	226.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/15/2016 6:50:00 PM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/21/2016 2:34:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	1/9/2017 1:32:00 PM	Oil and Grease	n/a	DNQ	2.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/20/2016 7:48:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-3	Wet	12/15/2016 6:50:00 PM	12/20/2016 7:48:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 10:55:00 PM	Chloride	n/a	=	6	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 10:55:00 PM	Fluoride	n/a	=	0.11	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 10:08:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 10:55:00 PM	Sulfate	Total	=	16	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Calcium	Total	=	9.45	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Magnesium	Total	=	2.18	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 7:54:00 PM	Potassium	Total	=	3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Sodium	Total	=	7.3	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	27	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 6:15:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:21:00 PM	COD	n/a	=	70	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 2:46:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.1	mg/L	SM 5310 C	2	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/23/2016 9:50:00 AM	Dissolved Organic Carbon	Dissolved	=	8.8	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Hardness as CaCO3	Total	=	32.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/17/2016 7:03:00 AM	MBAS	n/a	=	0.29	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 11:45:00 AM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/20/2016 5:16:00 PM	Specific Conductance	n/a	=	120	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 4:20:00 PM	Total Dissolved Solids	n/a	=	58	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/20/2016 12:01:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 5:00:00 PM	Total Suspended Solids	n/a	=	90	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/17/2016 2:46:00 PM	Turbidity	n/a	=	48	NTU	EPA 180.1	0.24	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 5:00:00 PM	Volatile Suspended Solids	n/a	=	34	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/5/2017 5:08:00 PM	Diesel Range Organics	n/a	=	0.62	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/5/2017 5:08:00 PM	Oil Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/3/2017 2:36:00 PM	Aluminum	Dissolved	=	36	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/3/2017 2:57:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	13	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Antimony	Dissolved	=	0.89	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Antimony	Total	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Arsenic	Dissolved	=	0.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Barium	Total	=	28	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Beryllium	Total	DNQ	0.058	µg/L	EPA 200.8	0.033	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Cadmium	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Chromium	Dissolved	=	0.86	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Chromium	Total	=	3.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 10:00:00 AM	Chromium VI	n/a	=	0.65	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Copper	Dissolved	=	8.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:52:00 PM	Iron	Dissolved	=	54	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 6:54:00 PM	Iron	Total	=	1700	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 3:37:00 PM	Lead	Dissolved	=	0.44	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 3:39:00 PM	Lead	Total	=	4.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/30/2016 2:35:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/30/2016 2:37:00 PM	Mercury	Total	DNQ	29	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Nickel	Dissolved	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Nickel	Total	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/30/2016 3:38:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/30/2016 3:55:00 PM	Selenium	Total	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 3:37:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 3:39:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 7:56:00 PM	Zinc	Dissolved	=	47	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 9:37:00 PM	Zinc	Total	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/19/2016 6:57:00 PM	Ammonia as N	n/a	=	0.31	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/20/2016 1:13:00 PM	Nitrate + Nitrite as N	n/a	=	0.69	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/29/2016 4:58:00 PM	Phosphorus as P	Dissolved	=	0.21	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:13:00 PM	Phosphorus as P	Total	=	0.36	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 7:27:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4-Dimethylphenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,4-Dinitrophenol	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzenzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 1:52:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	EST

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Chlorpyrifos	n/a	=	0.015	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Diazinon	n/a	=	0.014	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Dichlorvos	n/a	DNQ	0.0056	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	EST-LCSRPD
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/21/2016 4:27:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Malathion	n/a	=	0.029	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Pentachlorophenol	n/a	DNQ	0.12	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/28/2016 1:17:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/10/2017 7:24:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/31/2016 4:14:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	EST
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Toxothion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	1/6/2017 3:25:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/22/2016 1:51:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-3	Wet	12/16/2016 11:30:00 AM	12/27/2016 8:46:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/20/2017 6:10:00 AM	E. Coli	n/a	=	2187	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/22/2017 8:50:00 AM	Fecal Coliform	n/a	=	8000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/20/2017 6:10:00 AM	Total Coliform	n/a	=	37840	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	Conductivity	n/a	=	36.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	2/2/2017	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	DO	n/a	=	10.16	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	DO	n/a	=	93.3	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	pH	n/a	=	7.85	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	Specific Conductance	n/a	=	49.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/19/2017 1:55:00 AM	Temperature	n/a	=	11.5	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/21/2017 1:45:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	2/2/2017 10:49:00 AM	Oil and Grease	n/a	DNQ	2.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/20/2017 8:38:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 1:55:00 AM	1/20/2017 8:38:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/23/2017 4:50:00 PM	Chloride	n/a	=	7.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/23/2017 4:50:00 PM	Fluoride	n/a	DNQ	0.069	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 2:21:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/23/2017 4:50:00 PM	Sulfate	Total	=	37	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Calcium	Total	=	11.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Magnesium	Total	=	4.04	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Potassium	Total	=	2.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Sodium	Total	=	14	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/1/2017 7:00:00 PM	Alkalinity as CaCO3	n/a	=	19	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/31/2017 10:54:00 AM	BOD	n/a	=	5	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/26/2017 4:44:00 PM	COD	n/a	=	60	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/31/2017 4:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.1	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 10:41:00 AM	Dissolved Organic Carbon	Dissolved	=	5.6	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Hardness as CaCO3	Total	=	44.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 7:44:00 AM	MBAS	n/a	=	0.057	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 9:03:00 AM	Phenolics	n/a	DNQ	0.0062	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/23/2017 5:08:00 PM	Specific Conductance	n/a	=	160	µmhos/cm	SM 2510 B	0.23	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/25/2017 8:30:00 PM	Total Dissolved Solids	n/a	=	97	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 1:37:00 PM	Total Organic Carbon	n/a	=	5.8	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 3:00:00 PM	Total Suspended Solids	n/a	=	110	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 8:43:00 PM	Turbidity	n/a	=	45	NTU	EPA 180.1	0.048	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 3:00:00 PM	Volatile Suspended Solids	n/a	=	38	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 4:11:00 PM	Diesel Range Organics	n/a	=	0.42	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 4:11:00 PM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Aluminum	Dissolved	=	20	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Aluminum	Total	=	2000	µg/L	EPA 200.8	1.3	5	WKL	LB-MSR
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Antimony	Dissolved	=	0.7	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Antimony	Total	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Arsenic	Dissolved	=	0.73	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Barium	Total	=	35	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Cadmium	Dissolved	DNQ	0.058	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Cadmium	Total	=	0.21	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Chromium	Dissolved	=	0.52	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Chromium	Total	=	4.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/2/2017 6:00:00 PM	Chromium VI	n/a	=	0.26	µg/L	EPA 218.6	0.0048	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Copper	Dissolved	=	4.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:54:00 PM	Iron	Dissolved	=	35	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/30/2017 12:16:00 PM	Iron	Total	=	2900	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Lead	Dissolved	=	0.22	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Lead	Total	=	6.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/26/2017 3:37:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/26/2017 3:39:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Nickel	Total	=	4.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Selenium	Dissolved	=	0.44	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Selenium	Total	=	0.54	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Silver	Total	DNQ	0.071	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Thallium	Total	DNQ	0.081	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:07:00 PM	Zinc	Dissolved	=	36	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 4:11:00 PM	Zinc	Total	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/31/2017 10:33:00 PM	Ammonia as N	n/a	=	0.12	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/20/2017 11:40:00 AM	Nitrate + Nitrite as N	n/a	=	0.64	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/1/2017 6:46:00 PM	Phosphorus as P	Dissolved	=	0.11	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/1/2017 5:44:00 PM	Phosphorus as P	Total	=	0.28	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/25/2017 7:48:00 PM	TKN	n/a	=	1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,3-Dichlorobenzene	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:15:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 4:18:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 5:38:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 10:21:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 8:48:00 PM	Glyphosate	n/a	=	51	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Malathion	n/a	=	0.025	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/11/2017 8:27:00 PM	Pentachlorophenol	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/8/2017 10:50:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Pentachlorophenol	n/a	DNQ	0.09	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/24/2017 5:38:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	LB-LCSR
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/14/2017 10:21:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	2/6/2017 7:58:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-5	Wet	1/19/2017 10:50:00 AM	1/27/2017 11:20:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 1:06:00 PM	Chloride	n/a	=	580	mg/L	EPA 300.0	10	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 1:06:00 PM	Fluoride	n/a	DNQ	2.5	mg/L	EPA 300.0	2	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/12/2017 11:46:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 1:06:00 PM	Sulfate	Total	=	5500	mg/L	EPA 300.0	10	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 10:30:00 AM	E. Coli	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 3:30:00 PM	Enterococcus	n/a	=	5493	MPN/100 mL	Enterolert	10	10	VCHCA	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 7:00:00 AM	Fecal Coliform	n/a	>	1600	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 10:30:00 AM	Total Coliform	n/a	=	143900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Calcium	Total	=	479	mg/L	EPA 200.7	0.08	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Magnesium	Total	=	377	mg/L	EPA 200.7	0.06	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Potassium	Total	=	32	mg/L	EPA 200.7	0.4	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Sodium	Total	=	1700	mg/L	EPA 200.7	0.075	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 4:37:00 PM	Alkalinity as CaCO3	n/a	=	190	mg/L	SM 2320 B	0.56	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 5:55:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 6:58:00 PM	COD	n/a	=	190	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	Conductivity	n/a	=	8040	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 12:26:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 2:09:00 PM	Dissolved Inorganic Carbon	Dissolved	=	49	mg/L	SM 5310 C	5	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 3:39:00 PM	Dissolved Organic Carbon	Dissolved	=	53	mg/L	SM 5310 C	0.13	3	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	DO	n/a	=	13.36	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	DO	n/a	=	171.1	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Hardness as CaCO3	Total	=	2750	mg/L	EPA 200.7	0.447	3.31	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 6:56:00 PM	MBAS	n/a	=	0.39	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	pH	n/a	=	8.8	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/12/2017 11:28:00 AM	Phenolics	n/a	=	0.037	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	Salinity	n/a	=	4300	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 3:00:00 PM	Specific Conductance	n/a	=	10000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	Specific Conductance	n/a	=	7790	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/4/2017 10:50:00 AM	Temperature	n/a	=	26.8	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 6:38:00 PM	Total Dissolved Solids	n/a	=	9400	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/9/2017 11:04:00 AM	Total Organic Carbon	n/a	=	59	mg/L	SM 5310 C	0.36	12	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 4:45:00 PM	Total Suspended Solids	n/a	=	30	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 4:14:00 PM	Turbidity	n/a	=	7.8	NTU	EPA 180.1	0.024	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 4:45:00 PM	Volatile Suspended Solids	n/a	=	10	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 8:41:00 PM	Diesel Range Organics	n/a	=	0.89	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/9/2017 6:02:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015D	0.044	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/12/2017 4:00:00 PM	Oil and Grease	n/a	DNQ	2.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 8:41:00 PM	Oil Range Organics	n/a	=	0.72	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Aluminum	Dissolved	DNQ	2.9	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Aluminum	Total	=	110	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Antimony	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Arsenic	Dissolved	=	12	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Arsenic	Total	=	12	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Barium	Total	=	57	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 4:17:00 PM	Beryllium	Dissolved	<	0.066	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 5:03:00 PM	Beryllium	Total	<	0.099	µg/L	EPA 200.8	0.099	0.3	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Cadmium	Total	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Chromium	Dissolved	=	0.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Chromium	Total	=	0.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/8/2017 3:00:00 PM	Chromium VI	n/a	=	0.13	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Copper	Dissolved	=	89	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Copper	Total	=	95	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/14/2017 11:14:00 AM	Iron	Dissolved	=	100	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 9:37:00 AM	Iron	Total	=	400	µg/L	EPA 200.7	5.5	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Lead	Dissolved	=	0.86	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Lead	Total	=	1.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 3:56:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 3:58:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Nickel	Total	=	7.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 4:09:00 PM	Selenium	Dissolved	=	40	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 5:07:00 PM	Selenium	Total	=	40	µg/L	EPA 200.8	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Thallium	Dissolved	DNQ	0.016	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:52:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/11/2017 6:04:00 PM	Zinc	Total	=	19	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 9:56:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 10:30:00 PM	Nitrate + Nitrite as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 1:00:00 PM	Phosphorus as P	Dissolved	=	0.072	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 12:44:00 PM	Phosphorus as P	Total	=	0.16	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/15/2017 4:21:00 PM	TKN	n/a	=	5.3	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	LB-LCSR
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/9/2017 10:07:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.64	µg/L	EPA 625	0.18	1	WKL	UL-MB
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Diethyl phthalate	n/a	DNQ	0.26	µg/L	EPA 625	0.15	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/9/2017 10:07:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Phenol	n/a	DNQ	0.22	µg/L	EPA 625	0.16	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/17/2017 1:01:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Dalapon	n/a	DNQ	0.15	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	DCPA (Dacthal)	n/a	=	0.49	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Diazinon	n/a	DNQ	0.0068	µg/L	EPA 525.2m	0.0052	0.01	WKL	UL-MB
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/10/2017 8:18:00 AM	Glyphosate	n/a	=	5	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Malathion	n/a	=	0.015	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 5:29:00 AM	Pentachlorophenol	n/a	DNQ	0.99	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/23/2017 10:10:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/13/2017 2:31:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/19/2017 2:51:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/16/2017 9:29:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2016/17-6	Dry	5/4/2017 10:50:00 AM	5/5/2017 5:51:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	