



*Ventura Countywide  
Stormwater Quality  
Management Program*

2015-2016  
Permit Year

Ventura Countywide Stormwater Quality  
Management Program Annual Report

# Attachment D Monitoring Appendix G and H



December 15, 2016

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	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/18/2016 9:00:00 AM	E. Coli	n/a	=	20	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/18/2016 9:00:00 AM	Total Coliform	n/a	=	193500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/23/2016 12:43:00 PM	Calcium	Total	=	180	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/23/2016 12:43:00 PM	Magnesium	Total	=	66.8	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	Conductivity	n/a	=	3482	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	DO	n/a	=	234.4	%	Field Meter	-88	0.1	Field Crew	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	DO	n/a	=	16.24	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/23/2016 12:43:00 PM	Hardness as CaCO3	Total	=	724	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	pH	n/a	=	8.55	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	Salinity	n/a	=	1500	mg/L	Field Meter	-88	100	Field Crew	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	Specific Conductance	n/a	=	2966	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	Temperature	n/a	=	34.2	°C	Field Meter	-88	0.1	Field Crew	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	50	mg/L	SM 5310 C	0.18	6	WKL	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/17/2016 11:50:00 AM	Turbidity	n/a	=	12.7	NTU	Field Meter	-88	0.01	Field Crew	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/25/2016 4:46:00 PM	Copper	Dissolved	=	6.1	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/25/2016 4:46:00 PM	Lead	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-CAM4	2016-DRY	Dry	8/17/2016 11:50:00 AM	8/25/2016 4:46:00 PM	Zinc	Dissolved	DNQ	4.5	µg/L	EPA 200.8	0.94	5	WKL	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/19/2016 6:15:00 AM	E. Coli	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/19/2016 6:15:00 AM	Total Coliform	n/a	=	68670	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/23/2016 12:51:00 PM	Calcium	Total	=	279	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/23/2016 12:51:00 PM	Magnesium	Total	=	300	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	Conductivity	n/a	=	11410	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	Discharge	n/a	=	0	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	DO	n/a	=	22	%	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	DO	n/a	=	2.07	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/23/2016 12:51:00 PM	Hardness as CaCO3	Total	=	1930	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	pH	n/a	=	7.7	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	Salinity	n/a	=	7000	mg/L	Field Meter	-88	100	Field Crew	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	Specific Conductance	n/a	=	12280	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	Temperature	n/a	=	21.4	°C	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	7	mg/L	SM 5310 C	0.036	1.2	WKL	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/18/2016 9:30:00 AM	Turbidity	n/a	=	7.9	NTU	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/25/2016 5:28:00 PM	Copper	Dissolved	DNQ	0.48	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/25/2016 5:28:00 PM	Lead	Dissolved	DNQ	0.053	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-HUE3	2016-DRY	Dry	8/18/2016 9:30:00 AM	8/25/2016 5:28:00 PM	Zinc	Dissolved	DNQ	1.5	µg/L	EPA 200.8	0.94	5	WKL	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/17/2016 9:30:00 AM	E. Coli	n/a	=	20	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/17/2016 9:30:00 AM	Total Coliform	n/a	=	30760	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/23/2016 12:46:00 PM	Calcium	Total	=	50.8	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/23/2016 12:46:00 PM	Magnesium	Total	=	1.95	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	Conductivity	n/a	=	1096	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	DO	n/a	=	136.6	%	Field Meter	-88	0.1	Field Crew	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	DO	n/a	=	10.64	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/23/2016 12:46:00 PM	Hardness as CaCO3	Total	=	135	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	pH	n/a	=	10.24	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	Specific Conductance	n/a	=	1039	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
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	Temperature	n/a	=	28	°C	Field Meter	-88	0.1	Field Crew	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	38	mg/L	SM 5310 C	0.18	6	WKL	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/16/2016 1:25:00 PM	Turbidity	n/a	=	11.3	NTU	Field Meter	-88	0.01	Field Crew	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/25/2016 4:58:00 PM	Copper	Dissolved	=	18	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/25/2016 4:58:00 PM	Lead	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-MPK2	2016-DRY	Dry	8/16/2016 1:25:00 PM	8/25/2016 4:58:00 PM	Zinc	Dissolved	DNQ	4.9	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/17/2016 9:30:00 AM	E. Coli	n/a	=	301	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/17/2016 9:30:00 AM	Total Coliform	n/a	=	2247	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/23/2016 12:48:00 PM	Calcium	Total	=	194	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/23/2016 12:48:00 PM	Magnesium	Total	=	58.7	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	Conductivity	n/a	=	1318	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	DO	n/a	=	5.07	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	DO	n/a	=	54.3	%	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/23/2016 12:48:00 PM	Hardness as CaCO3	Total	=	726	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	pH	n/a	=	7.47	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	Specific Conductance	n/a	=	1512	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	Temperature	n/a	=	18.4	°C	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	4.6	mg/L	SM 5310 C	0.018	0.6	WKL	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/16/2016 9:30:00 AM	Turbidity	n/a	=	25	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/25/2016 5:20:00 PM	Copper	Dissolved	DNQ	0.36	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/25/2016 5:20:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OJA6	2016-DRY	Dry	8/16/2016 9:30:00 AM	8/25/2016 5:20:00 PM	Zinc	Dissolved	DNQ	1.5	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/18/2016 9:00:00 AM	E. Coli	n/a	=	1529	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/18/2016 9:00:00 AM	Total Coliform	n/a	=	61310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/23/2016 12:49:00 PM	Calcium	Total	=	129	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/23/2016 12:49:00 PM	Magnesium	Total	=	40.3	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	Conductivity	n/a	=	1356	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	DO	n/a	=	9.89	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	DO	n/a	=	112.7	%	Field Meter	-88	0.1	Field Crew	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/23/2016 12:49:00 PM	Hardness as CaCO3	Total	=	488	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	pH	n/a	=	8.35	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	Specific Conductance	n/a	=	1430	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	Temperature	n/a	=	22.2	°C	Field Meter	-88	0.1	Field Crew	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	8.3	mg/L	SM 5310 C	0.036	1.2	WKL	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/17/2016 10:30:00 AM	Turbidity	n/a	=	5	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/25/2016 5:24:00 PM	Copper	Dissolved	=	3.2	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/25/2016 5:24:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OXN2	2016-DRY	Dry	8/17/2016 10:30:00 AM	8/25/2016 5:24:00 PM	Zinc	Dissolved	=	5.2	µg/L	EPA 200.8	0.94	5	WKL	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/17/2016 9:30:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/17/2016 9:30:00 AM	Total Coliform	n/a	=	1616	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/23/2016 12:53:00 PM	Calcium	Total	=	145	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/23/2016 12:53:00 PM	Magnesium	Total	=	44.1	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	Conductivity	n/a	=	1251	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	Discharge	n/a	=	0.35	cfs	Field Estimate	-88	-88	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-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	DO	n/a	=	9.07	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	DO	n/a	=	106	%	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/23/2016 12:53:00 PM	Hardness as CaCO3	Total	=	544	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	pH	n/a	=	7.63	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	Specific Conductance	n/a	=	1376	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	Temperature	n/a	=	20.2	°C	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	0.51	mg/L	SM 5310 C	0.009	0.3	WKL	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/16/2016 11:20:00 AM	Turbidity	n/a	=	0.7	NTU	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/25/2016 5:32:00 PM	Copper	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/25/2016 5:32:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-SPA4	2016-DRY	Dry	8/16/2016 11:20:00 AM	8/25/2016 5:32:00 PM	Zinc	Dissolved	DNQ	1.7	µg/L	EPA 200.8	0.94	5	WKL	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/18/2016 9:00:00 AM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/18/2016 9:00:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/23/2016 1:05:00 PM	Calcium	Total	=	86.7	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/23/2016 1:05:00 PM	Magnesium	Total	=	87.8	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	Conductivity	n/a	=	1405	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	DO	n/a	=	5.62	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	DO	n/a	=	64.3	%	Field Meter	-88	0.1	Field Crew	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/23/2016 1:05:00 PM	Hardness as CaCO3	Total	=	578	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	pH	n/a	=	8.5	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	Specific Conductance	n/a	=	1487	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	Temperature	n/a	=	22.1	°C	Field Meter	-88	0.1	Field Crew	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 C	0.072	2.4	WKL	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/17/2016 12:50:00 PM	Turbidity	n/a	=	9.3	NTU	Field Meter	-88	0.01	Field Crew	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/25/2016 5:45:00 PM	Copper	Dissolved	=	7.5	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/25/2016 5:45:00 PM	Lead	Dissolved	DNQ	0.067	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-UNI4	2016-DRY	Dry	8/17/2016 12:50:00 PM	8/25/2016 5:45:00 PM	Zinc	Dissolved	DNQ	4.2	µg/L	EPA 200.8	0.94	5	WKL	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/18/2016 9:00:00 AM	E. Coli	n/a	=	408	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/18/2016 9:00:00 AM	Total Coliform	n/a	=	11199	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/23/2016 1:06:00 PM	Calcium	Total	=	87.5	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/23/2016 1:06:00 PM	Magnesium	Total	=	32.5	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	Conductivity	n/a	=	769	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	Discharge	n/a	=	0	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	DO	n/a	=	1.8	%	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	DO	n/a	DNQ	0.15	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/23/2016 1:06:00 PM	Hardness as CaCO3	Total	=	352	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	pH	n/a	=	6.76	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	Specific Conductance	n/a	=	873	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	Temperature	n/a	=	18.7	°C	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.045	1.5	WKL	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/17/2016 8:55:00 AM	Turbidity	n/a	=	28.2	NTU	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/25/2016 5:50:00 PM	Copper	Dissolved	=	0.54	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/25/2016 5:50:00 PM	Lead	Dissolved	DNQ	0.044	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-VEN5	2016-DRY	Dry	8/17/2016 8:55:00 AM	8/25/2016 5:50:00 PM	Zinc	Dissolved	DNQ	4	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	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	12240	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/16/2015 10:00:00 AM	Enterococcus	n/a	=	19890	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/17/2015 9:00:00 AM	Fecal Coliform	n/a	=	160000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	104620	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/15/2015 5:55:00 AM	Conductivity	n/a	=	1263	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/15/2015 5:55:00 AM	DO	n/a	=	52.7	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/15/2015 5:55:00 AM	DO	n/a	=	4.5	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/15/2015 5:55:00 AM	pH	n/a	=	7.81	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/15/2015 5:55:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/15/2015 5:55:00 AM	Specific Conductance	n/a	=	1303	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/15/2015 5:55:00 AM	Temperature	n/a	=	23.5	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/16/2015 7:26:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/22/2015 12:05:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2015/16-1	Wet	9/15/2015 5:55:00 AM	9/22/2015 12:05:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/17/2015 8:04:00 PM	Chloride	n/a	=	160	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/17/2015 7:48:00 PM	Fluoride	n/a	=	0.39	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:15:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/23/2015 2:15:00 PM	Calcium	Total	=	67.8	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/23/2015 2:15:00 PM	Magnesium	Total	=	39.5	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/22/2015 10:40:00 AM	BOD	n/a	=	9.8	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/22/2015 8:46:00 AM	COD	n/a	=	54	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/23/2015 2:15:00 PM	Hardness as CaCO3	Total	=	332	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/17/2015 7:45:00 PM	MBAS	n/a	=	0.062	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 10:07:00 AM	Phenolics	n/a	=	0.022	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/21/2015 5:24:00 PM	Specific Conductance	n/a	DNQ	1300	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/17/2015 6:30:00 PM	Total Chlorine Residual	n/a	DNQ	0.042	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/21/2015 6:20:00 PM	Total Dissolved Solids	n/a	=	740	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/23/2015 10:24:00 AM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 C	0.072	2.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	240	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/17/2015 6:44:00 PM	Turbidity	n/a	=	45	NTU	EPA 180.1	0.048	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	41	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/1/2015 2:17:00 PM	Diesel Range Organics	n/a	=	0.44	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/1/2015 2:17:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Aluminum	Dissolved	=	8.4	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Aluminum	Total	=	4500	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Antimony	Dissolved	=	0.52	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Antimony	Total	=	0.58	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Arsenic	Dissolved	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Arsenic	Total	=	4.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Barium	Total	=	80	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Beryllium	Total	=	0.17	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Cadmium	Dissolved	=	0.2	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Cadmium	Total	=	0.53	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Chromium	Dissolved	=	0.31	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
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/23/2015 5:47:00 PM	Chromium VI	n/a	=	0.18	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Copper	Dissolved	=	5.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/23/2015 2:07:00 PM	Iron	Dissolved	=	30	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/23/2015 2:15:00 PM	Iron	Total	=	6500	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Lead	Total	=	4.9	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 5:29:00 PM	Mercury	Dissolved	DNQ	11	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 5:29:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Nickel	Dissolved	=	5.7	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Selenium	Dissolved	=	0.54	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Selenium	Total	=	0.78	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Thallium	Total	DNQ	0.06	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:36:00 PM	Zinc	Dissolved	=	17	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/28/2015 7:44:00 PM	Zinc	Total	=	58	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	0.35	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/17/2015 7:47:00 PM	Nitrate + Nitrite as N	n/a	=	6.4	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/17/2015 7:47:00 PM	Nitrate as N	n/a	=	6.3	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/5/2015 7:31:00 PM	Phosphorus as P	Dissolved	=	2.1	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/29/2015 5:11:00 PM	Phosphorus as P	Total	=	3	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/23/2015 2:44:00 PM	TKN	n/a	=	2.7	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	-LCSRPD, LB-L
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	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	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.4	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.33	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Diethyl phthalate	n/a	=	1.4	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	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	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/26/2015 5:36:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 12:18:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	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	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Chlorpyrifos	n/a	=	0.027	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	DCPA (Dacthal)	n/a	=	0.82	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Disulfoton	n/a	DNQ	0.06	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/20/2015 3:33:00 PM	Glyphosate	n/a	=	33	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Malathion	n/a	=	0.012	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/8/2015 3:50:00 AM	Pentachlorophenol	n/a	DNQ	0.52	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/25/2015 4:20:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	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	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/18/2015 4:31:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Prometryn	n/a	=	0.23	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0036	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Terbencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Toxuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/24/2015 7:35:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	10/2/2015 2:18:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2015/16-1	Wet	9/16/2015 12:40:00 PM	9/30/2015 4:10:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/6/2016 8:00:00 AM	E. Coli	n/a	=	15531	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/6/2016 2:00:00 PM	Enterococcus	n/a	=	198630	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/7/2016 1:10:00 PM	Fecal Coliform	n/a	=	14000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/6/2016 8:00:00 AM	Total Coliform	n/a	=	129970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	Conductivity	n/a	=	665	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	DO	n/a	=	60.8	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	DO	n/a	=	6.24	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	pH	n/a	=	7.78	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	Specific Conductance	n/a	=	834	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	Temperature	n/a	=	14.2	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/7/2016 8:42:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/8/2016 1:54:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/8/2016 1:54:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/8/2016 6:17:00 PM	Chloride	n/a	=	71	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 6:32:00 PM	Fluoride	n/a	=	0.23	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/8/2016 7:12:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	3/11/2016 1:14:00 PM	Sulfate	Total	=	83	mg/L	EPA 300.0	0.25	1.2	WKL	EST-HT
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 3:16:00 PM	Calcium	Total	=	34.8	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 3:16:00 PM	Magnesium	Total	=	19.3	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 3:16:00 PM	Potassium	Total	=	9.3	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 3:16:00 PM	Sodium	Total	=	58	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 3:49:00 PM	Alkalinity as CaCO3	n/a	=	83	mg/L	SM 2320 B	0.56	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 1:50:00 PM	BOD	n/a	=	7.7	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/8/2016 3:03:00 PM	COD	n/a	=	43	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/26/2016 12:00:00 PM	Dissolved Inorganic Carbon	Dissolved	=	21	mg/L	SM 5310 C	2	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	3/1/2016 10:42:00 AM	Dissolved Inorganic Carbon	Dissolved	=	5.8	mg/L	SM 5310 C	0.065	1.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 3:16:00 PM	Hardness as CaCO3	Total	=	166	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/8/2016 9:27:00 AM	MBAS	n/a	DNQ	0.024	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 10:41:00 AM	Phenolics	n/a	=	0.019	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 4:03:00 PM	Specific Conductance	n/a	=	590	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/6/2016 11:48:00 PM	Total Chlorine Residual	n/a	DNQ	0.01	mg/L	SM 4500-Cl G	0.0075	0.25	WKL	EST-HT

Appendix G  
Laboratory 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	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/9/2016 11:00:00 AM	Total Dissolved Solids	n/a	=	340	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 1:46:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.045	1.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/11/2016 6:50:00 PM	Total Suspended Solids	n/a	=	98	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/6/2016 11:59:00 PM	Turbidity	n/a	=	98	NTU	EPA 180.1	0.096	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/11/2016 6:50:00 PM	Volatile Suspended Solids	n/a	=	24	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 1:34:00 AM	Diesel Range Organics	n/a	=	0.62	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 1:34:00 AM	Oil Range Organics	n/a	=	0.52	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Aluminum	Dissolved	=	25	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Aluminum	Total	=	4200	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Antimony	Dissolved	=	0.59	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Antimony	Total	=	0.7	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Arsenic	Dissolved	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Arsenic	Total	=	3.8	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Barium	Total	=	41	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Cadmium	Total	=	0.4	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 2:23:00 PM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0048	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Copper	Dissolved	=	4.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Copper	Total	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 2:43:00 PM	Iron	Dissolved	=	64	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 3:16:00 PM	Iron	Total	=	5800	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Lead	Dissolved	DNQ	0.089	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Lead	Total	=	4	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/14/2016 3:22:00 PM	Mercury	Dissolved	DNQ	4	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/14/2016 3:22:00 PM	Mercury	Total	DNQ	11	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Nickel	Dissolved	=	3.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Nickel	Total	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Selenium	Dissolved	=	0.7	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Selenium	Total	=	0.92	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Thallium	Total	DNQ	0.038	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:16:00 PM	Zinc	Dissolved	=	7.5	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/18/2016 12:21:00 PM	Zinc	Total	=	40	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/21/2016 4:25:00 PM	Ammonia as N	n/a	=	0.21	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/6/2016 10:54:00 PM	Nitrate + Nitrite as N	n/a	=	2.8	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/6/2016 10:54:00 PM	Nitrate as N	n/a	=	2.7	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/20/2016 2:40:00 PM	Phosphorus as P	Dissolved	=	0.86	mg/L	EPA 365.1	0.007	0.05	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/14/2016 4:09:00 PM	Phosphorus as P	Total	=	1.2	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 11:26:00 PM	TKN	n/a	=	1.6	mg/L	EPA 351.2	0.1	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	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-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 1:14:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 1:14:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 1:14:00 PM	2-Methylphenol	n/a	DNQ	0.35	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 1:14:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 1:14:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 1:14:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Benzo(a)pyrene	n/a	<	0.28	µg/L	EPA 525.2	0.28	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	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-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.42	µg/L	EPA 525.2	0.42	20	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.2	µg/L	EPA 525.2	4.2	12	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Diethyl phthalate	n/a	DNQ	0.54	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 12:18:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 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-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	4,4'-DDE	n/a	DNQ	0.013	µg/L	EPA 608	0.005	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Alachlor	n/a	<	0.088	µg/L	EPA 525.2	0.088	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Atrazine	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Bromacil	n/a	<	0.15	µg/L	EPA 525.2	0.15	4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Butachlor	n/a	<	0.068	µg/L	EPA 525.2	0.068	0.8	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Captan	n/a	<	3.4	µg/L	EPA 525.2	3.4	4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Chlorpropham	n/a	<	0.04	µg/L	EPA 525.2	0.04	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Cyanazine	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	DCPA (Dacthal)	n/a	=	0.79	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Diazinon	n/a	<	0.38	µg/L	EPA 525.2	0.38	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Dimethoate	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.8	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Diphenamid	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Disulfoton	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	EPTC	n/a	<	0.068	µg/L	EPA 525.2	0.068	4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	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-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRPD
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 3:52:00 PM	Glyphosate	n/a	=	29	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Malathion	n/a	=	0.14	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRPD
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Metolachlor	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Metribuzin	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Molinate	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/19/2016 1:14:00 PM	Pentachlorophenol	n/a	DNQ	0.62	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/28/2016 7:30:00 AM	Pentachlorophenol	n/a	DNQ	0.87	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/12/2016 6:22:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Prometon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.8	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/6/2016 10:32:00 PM	Prometryn	n/a	DNQ	0.28	µg/L	EPA 525.2	0.14	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Simazine	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.4	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Terbacil	n/a	<	2.2	µg/L	EPA 525.2	2.2	8	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Thiobencarb	n/a	<	0.1	µg/L	EPA 525.2	0.1	0.8	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/19/2016 4:20:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	1/13/2016 4:00:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2015/16-2	Wet	1/6/2016 12:15:00 PM	2/5/2016 1:59:00 AM	Trithion	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/1/2016 4:10:00 PM	E. Coli	n/a	=	29870	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/1/2016 4:50:00 PM	Enterococcus	n/a	=	88500	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/2/2016 4:00:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/1/2016 4:10:00 PM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	1/31/2016 11:40:00 AM	Conductivity	n/a	=	1041	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	1/31/2016 11:40:00 AM	DO	n/a	=	80.2	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	1/31/2016 11:40:00 AM	DO	n/a	=	7.91	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	1/31/2016 11:40:00 AM	pH	n/a	=	7.9	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	1/31/2016 11:40:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	1/31/2016 11:40:00 AM	Specific Conductance	n/a	=	1269	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	1/31/2016 11:40:00 AM	Temperature	n/a	=	15.6	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/2/2016 8:52:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/9/2016 5:18:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/2/2016 2:05:00 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
ME-CC	2015/16-3	Wet	1/31/2016 11:40:00 AM	2/2/2016 2:05:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 3:41:00 PM	Chloride	n/a	=	74	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 3:41:00 PM	Fluoride	n/a	=	0.37	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 11:29:00 AM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 3:41:00 PM	Sulfate	Total	=	100	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 11:22:00 AM	Calcium	Total	=	48.2	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 11:22:00 AM	Magnesium	Total	=	26.8	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 11:22:00 AM	Potassium	Total	=	9.4	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 11:22:00 AM	Sodium	Total	=	65	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 2:45:00 PM	Alkalinity as CaCO3	n/a	=	100	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	7.4	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	93	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	21	mg/L	SM 5310 C	2	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	5.7	mg/L	SM 5310 C	0.026	0.6	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 11:22:00 AM	Hardness as CaCO3	Total	=	231	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	DNQ	0.029	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/9/2016 2:21:00 PM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	660	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/1/2016 6:50:00 PM	Total Chlorine Residual	n/a	<	0.0075	mg/L	SM 4500-Cl G	0.0075	0.25	WKL	EST-HT
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	370	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	7.9	mg/L	SM 5310 C	0.036	1.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	280	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 6:53:00 PM	Turbidity	n/a	=	170	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	72	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/22/2016 3:57:00 PM	Diesel Range Organics	n/a	DNQ	0.077	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/22/2016 3:57:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 10:39:00 AM	Aluminum	Dissolved	=	13	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 10:57:00 AM	Aluminum	Total	=	8500	µg/L	EPA 200.8	65	250	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Antimony	Dissolved	=	0.59	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Antimony	Total	=	0.69	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Arsenic	Dissolved	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Arsenic	Total	=	5	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Barium	Total	=	77	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Beryllium	Total	=	0.3	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Cadmium	Dissolved	=	0.15	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Cadmium	Total	=	0.75	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Chromium	Total	=	24	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 11:00:00 AM	Chromium VI	n/a	=	0.21	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Copper	Dissolved	=	3.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Copper	Total	=	20	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 10:19:00 AM	Iron	Dissolved	=	40	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 11:22:00 AM	Iron	Total	=	13000	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Lead	Dissolved	DNQ	0.057	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Lead	Total	=	5.2	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/11/2016 3:40:00 PM	Mercury	Dissolved	DNQ	10	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/11/2016 3:40:00 PM	Mercury	Total	DNQ	12	ng/L	EPA 245.1	3.9	50	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
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/10/2016 10:44:00 AM	Nickel	Dissolved	=	3.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/10/2016 11:10:00 AM	Nickel	Total	=	22	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Selenium	Dissolved	=	0.78	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Selenium	Total	=	1.4	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Silver	Dissolved	DNQ	0.076	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Thallium	Dissolved	DNQ	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Thallium	Total	DNQ	0.13	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 11:29:00 AM	Zinc	Dissolved	=	5.6	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 12:45:00 PM	Zinc	Total	=	60	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	DNQ	0.077	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 5:38:00 PM	Nitrate + Nitrite as N	n/a	=	2.5	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 5:38:00 PM	Nitrate as N	n/a	=	2.5	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/9/2016 3:43:00 PM	Phosphorus as P	Dissolved	=	0.82	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/8/2016 2:30:00 PM	Phosphorus as P	Total	=	2.6	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	4.3	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	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	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	7.4	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.55	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Naphthalene	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	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/23/2016 5:25:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	DCPA (Dacthal)	n/a	=	0.66	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	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	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Fensulfotion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/2/2016 11:09:00 AM	Glyphosate	n/a	=	8.9	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Malathion	n/a	=	0.02	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/26/2016 10:36:00 PM	Pentachlorophenol	n/a	DNQ	0.77	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/24/2016 9:24:00 AM	Pentachlorophenol	n/a	DNQ	0.44	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/5/2016 8:08:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	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-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Tokothion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/12/2016 4:12:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/4/2016 11:16:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2015/16-3	Wet	2/1/2016 9:50:00 AM	2/27/2016 1:19:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/25/2016 4:37:00 AM	Chloride	n/a	=	240	mg/L	EPA 300.0	10	50	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 2:50:00 PM	Fluoride	n/a	=	0.23	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 6:18:00 PM	Perchlorate	n/a	=	0.12	µg/L	EPA 331	0.019	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/25/2016 4:37:00 AM	Sulfate	Total	=	260	mg/L	EPA 300.0	10	50	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 8:10:00 AM	E. Coli	n/a	=	109	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 2:30:00 PM	Enterococcus	n/a	=	41	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/27/2016 2:10:00 PM	Fecal Coliform	n/a	=	170	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 8:10:00 AM	Total Coliform	n/a	=	92080	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/14/2016 4:58:00 PM	Calcium	Total	=	93.6	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/14/2016 4:58:00 PM	Magnesium	Total	=	53.7	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/14/2016 4:58:00 PM	Potassium	Total	=	19	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/14/2016 4:58:00 PM	Sodium	Total	=	210	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 5:51:00 PM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/29/2016 6:00:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/6/2016 8:43:00 PM	COD	n/a	=	14	mg/L	EPA 410.4	0.73	5	WKL	UL-MB
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/23/2016 10:10:00 AM	Conductivity	n/a	=	1692	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016	Cyanide	Total	DNQ	0.0017	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/6/2016 5:26:00 PM	Dissolved Inorganic Carbon	Dissolved	=	72	mg/L	SM 5310 C	20	20	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	4.3	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/23/2016 10:10:00 AM	DO	n/a	=	6.94	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/23/2016 10:10:00 AM	DO	n/a	=	79.6	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/14/2016 4:58:00 PM	Hardness as CaCO3	Total	=	455	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 7:06:00 PM	MBAS	n/a	DNQ	0.043	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/23/2016 10:10:00 AM	pH	n/a	=	7.94	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/1/2016 9:01:00 AM	Phenolics	n/a	DNQ	0.0083	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/23/2016 10:10:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/23/2016 10:10:00 AM	Specific Conductance	n/a	=	1806	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/28/2016 6:44:00 PM	Specific Conductance	n/a	=	1800	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/23/2016 10:10:00 AM	Temperature	n/a	=	21.7	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 6:18:00 PM	Total Chlorine Residual	n/a	DNQ	0.0024	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/28/2016 4:15:00 PM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 7:04:00 PM	Total Organic Carbon	n/a	=	4.5	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 6:20:00 PM	Total Suspended Solids	n/a	=	18	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/23/2016 7:47:00 PM	Turbidity	n/a	=	7.8	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 6:20:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/1/2016 8:25:00 PM	Diesel Range Organics	n/a	=	0.11	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/28/2016 6:58:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 6:04:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/1/2016 8:25:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Aluminum	Dissolved	DNQ	1.8	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 PM	Aluminum	Total	=	240	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Antimony	Dissolved	DNQ	0.36	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Antimony	Total	DNQ	0.45	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Arsenic	Dissolved	=	4.6	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
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Arsenic	Total	=	4.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Barium	Total	=	42	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Cadmium	Dissolved	=	0.19	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Cadmium	Total	=	0.2	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Chromium	Dissolved	=	0.25	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Chromium	Total	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/27/2016 11:31:00 AM	Chromium VI	n/a	=	0.26	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Copper	Dissolved	=	3.7	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Copper	Total	=	4.6	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/14/2016 4:40:00 PM	Iron	Dissolved	DNQ	5.2	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/14/2016 4:58:00 PM	Iron	Total	=	330	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Lead	Total	DNQ	0.19	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/28/2016 4:09:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/28/2016 4:09:00 PM	Mercury	Total	DNQ	5	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Nickel	Dissolved	=	7.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Nickel	Total	=	7.7	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Selenium	Dissolved	=	0.58	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Selenium	Total	=	0.53	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:49:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 3:10:00 PM	Zinc	Dissolved	=	13	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/5/2016 11:54:00 AM	Zinc	Total	=	13	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/6/2016 5:02:00 PM	Ammonia as N	n/a	DNQ	0.054	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 9:58:00 AM	Nitrate + Nitrite as N	n/a	=	6.8	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/24/2016 9:58:00 AM	Nitrate as N	n/a	=	6.8	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/1/2016 10:39:00 AM	Phosphorus as P	Dissolved	=	2.9	mg/L	EPA 365.1	0.07	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 7:08:00 PM	Phosphorus as P	Total	=	76	mg/L	EPA 365.1	0.87	6.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/29/2016 2:29:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 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
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/25/2016 8:02:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	LB-LCSR
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.35	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Dibenz(a,h)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	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	=	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/25/2016 8:02:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 10:58:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	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
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	DCPA (Dacthal)	n/a	=	1.4	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/28/2016 4:43:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 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
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	6/30/2016 9:43:00 PM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 4:16:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/2/2016 2:11:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/8/2016 11:21:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/7/2016 6:18:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2015/16-5	Dry	6/23/2016 10:10:00 AM	7/13/2016 9:33:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/7/2016 9:30:00 AM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/7/2016 2:30:00 PM	Enterococcus	n/a	=	4220	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/8/2016 9:00:00 AM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/7/2016 9:30:00 AM	Total Coliform	n/a	=	461100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/6/2016 8:45:00 AM	Conductivity	n/a	=	997	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	=	0.0048	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/6/2016 8:45:00 AM	DO	n/a	=	10.02	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/6/2016 8:45:00 AM	DO	n/a	=	81.3	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/6/2016 8:45:00 AM	pH	n/a	=	8.1	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/6/2016 8:45:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/6/2016 8:45:00 AM	Specific Conductance	n/a	=	1437	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/6/2016 8:45:00 AM	Temperature	n/a	=	9.1	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/11/2016 10:14:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/22/2016 12:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/12/2016 6:15:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 8:45:00 AM	1/12/2016 6:15:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/8/2016 6:33:00 PM	Chloride	n/a	=	76	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/13/2016 6:47:00 PM	Fluoride	n/a	=	0.52	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/8/2016 7:31:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	3/11/2016 1:30:00 PM	Sulfate	Total	=	570	mg/L	EPA 300.0	1	5	WKL	EST-HT
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:18:00 PM	Calcium	Total	=	520	mg/L	EPA 200.7	0.08	0.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:18:00 PM	Magnesium	Total	=	287	mg/L	EPA 200.7	0.06	0.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:18:00 PM	Potassium	Total	=	120	mg/L	EPA 200.7	0.4	0.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:18:00 PM	Sodium	Total	=	160	mg/L	EPA 200.7	0.075	2.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/13/2016 3:49:00 PM	Alkalinity as CaCO3	n/a	=	120	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
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 1:50:00 PM	BOD	n/a	=	15	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/8/2016 3:03:00 PM	COD	n/a	=	1200	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	35	mg/L	SM 5310 C	2.5	2.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	8	mg/L	SM 5310 C	0.13	3	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:18:00 PM	Hardness as CaCO3	Total	=	2480	mg/L	EPA 200.7	0.447	3.31	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/8/2016 9:27:00 AM	MBAS	n/a	DNQ	0.089	mg/L	SM 5540 C	0.076	0.2	WKL	UL-MB
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 10:13:00 AM	Phenolics	n/a	=	0.011	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 4:03:00 PM	Specific Conductance	n/a	=	1700	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/9/2016 11:00:00 AM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 1:46:00 PM	Total Organic Carbon	n/a	=	15	mg/L	SM 5310 C	0.09	3	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/11/2016 6:50:00 PM	Total Suspended Solids	n/a	=	17000	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/6/2016 11:59:00 PM	Turbidity	n/a	=	980	NTU	EPA 180.1	1.2	5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/11/2016 6:50:00 PM	Volatile Suspended Solids	n/a	=	1500	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:51:00 PM	Aluminum	Dissolved	=	6.3	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:05:00 PM	Aluminum	Total	=	300000	µg/L	EPA 200.8	65	250	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Antimony	Dissolved	DNQ	0.36	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Antimony	Total	DNQ	1.1	µg/L	EPA 200.8	0.22	2.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Arsenic	Dissolved	DNQ	0.39	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Arsenic	Total	=	120	µg/L	EPA 200.8	0.37	2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Barium	Total	=	4100	µg/L	EPA 200.8	0.36	2.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Beryllium	Total	=	20	µg/L	EPA 200.8	0.16	0.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:51:00 PM	Cadmium	Dissolved	DNQ	0.093	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Cadmium	Total	=	27	µg/L	EPA 200.8	0.2	0.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Chromium	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:05:00 PM	Chromium	Total	=	560	µg/L	EPA 200.8	1.8	10	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 2:35:00 PM	Chromium VI	n/a	=	0.089	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Copper	Dissolved	=	4.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:05:00 PM	Copper	Total	=	710	µg/L	EPA 200.8	6.5	25	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 2:46:00 PM	Iron	Dissolved	DNQ	9.1	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 4:03:00 PM	Iron	Total	=	730000	µg/L	EPA 200.7	550	5000	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Lead	Total	=	270	µg/L	EPA 200.8	0.16	1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/14/2016 3:22:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/14/2016 3:22:00 PM	Mercury	Total	=	920	ng/L	EPA 245.1	20	250	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Nickel	Dissolved	=	5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 3:05:00 PM	Nickel	Total	=	990	µg/L	EPA 200.8	2.2	40	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Selenium	Dissolved	=	5.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Selenium	Total	=	24	µg/L	EPA 200.8	0.7	2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Silver	Total	=	3	µg/L	EPA 200.8	0.31	1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Thallium	Dissolved	DNQ	0.021	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:34:00 PM	Thallium	Total	=	8.2	µg/L	EPA 200.8	0.07	1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/18/2016 12:25:00 PM	Zinc	Total	=	2100	µg/L	EPA 200.8	4.7	25	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/21/2016 4:25:00 PM	Ammonia as N	n/a	=	0.68	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/7/2016 12:59:00 PM	Nitrate + Nitrite as N	n/a	=	3.4	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/20/2016 2:42:00 PM	Phosphorus as P	Dissolved	=	0.023	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
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/14/2016 4:19:00 PM	Phosphorus as P	Total	=	26	mg/L	EPA 365.1	0.35	2.5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/19/2016 11:26:00 PM	TKN	n/a	=	38	mg/L	EPA 351.2	0.5	1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	Dichloroprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 4:03:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2015/16-2	Wet	1/6/2016 1:00:00 PM	1/12/2016 6:56:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	84	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/1/2016 4:50:00 PM	Enterococcus	n/a	=	1445	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/4/2016 4:00:00 PM	Fecal Coliform	n/a	=	330	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	1/31/2016 12:30:00 PM	Conductivity	n/a	=	1565	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/13/2016 1:39:00 AM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	1/31/2016 12:30:00 PM	DO	n/a	=	9.64	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	1/31/2016 12:30:00 PM	DO	n/a	=	94.2	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	1/31/2016 12:30:00 PM	pH	n/a	=	8.12	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	1/31/2016 12:30:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	1/31/2016 12:30:00 PM	Specific Conductance	n/a	=	1977	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	1/31/2016 12:30:00 PM	Temperature	n/a	=	14.1	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/2/2016 10:23:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/9/2016 5:18:00 PM	Oil and Grease	n/a	DNQ	2.2	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/2/2016 2:33:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2015/16-3	Wet	1/31/2016 12:30:00 PM	2/2/2016 2:33:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 3:56:00 PM	Chloride	n/a	=	100	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 3:56:00 PM	Fluoride	n/a	=	0.44	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/2/2016 11:54:00 AM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 6:02:00 PM	Sulfate	Total	=	830	mg/L	EPA 300.0	2.5	12	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 11:24:00 AM	Calcium	Total	=	202	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 11:24:00 AM	Magnesium	Total	=	90.9	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 11:24:00 AM	Potassium	Total	=	6.9	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 11:24:00 AM	Sodium	Total	=	160	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 2:45:00 PM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	14	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	53	mg/L	SM 5310 C	5	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	3.4	mg/L	SM 5310 C	0.026	0.6	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 11:24:00 AM	Hardness as CaCO3	Total	=	880	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	DNQ	0.034	mg/L	SM 5540 C	0.019	0.05	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
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/9/2016 2:22:00 PM	Phenolics	n/a	DNQ	0.009	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	2200	µmhos/cm	SM 2510 B	0.7	6	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	1500	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	3	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	15	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/2/2016 5:05:00 PM	Turbidity	n/a	=	11	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	DNQ	4	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/22/2016 4:34:00 PM	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/22/2016 4:34:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 10:40:00 AM	Aluminum	Dissolved	DNQ	1.9	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 10:59:00 AM	Aluminum	Total	=	330	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Antimony	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Antimony	Total	DNQ	0.2	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Arsenic	Dissolved	=	0.79	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Arsenic	Total	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Barium	Total	=	39	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Cadmium	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Cadmium	Total	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Chromium	Total	=	0.79	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/2/2016 11:12:00 AM	Chromium VI	n/a	=	0.024	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Copper	Total	=	1.9	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 10:21:00 AM	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 11:24:00 AM	Iron	Total	=	720	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Lead	Total	=	0.27	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/11/2016 3:40:00 PM	Mercury	Dissolved	DNQ	11	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/11/2016 3:40:00 PM	Mercury	Total	DNQ	13	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/10/2016 10:46:00 AM	Nickel	Dissolved	=	4.7	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/10/2016 11:12:00 AM	Nickel	Total	=	5.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Selenium	Dissolved	=	5.5	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Selenium	Total	=	5.6	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Thallium	Dissolved	DNQ	0.017	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Thallium	Total	DNQ	0.018	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 11:35:00 AM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 12:51:00 PM	Zinc	Total	DNQ	1.9	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/3/2016 3:16:00 PM	Nitrate + Nitrite as N	n/a	=	1.4	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/9/2016 3:44:00 PM	Phosphorus as P	Dissolved	DNQ	0.0081	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/8/2016 3:00:00 PM	Phosphorus as P	Total	=	0.031	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	0.28	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	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
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Benzo(g,h,i)perylene	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-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	6.5	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/23/2016 5:59:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	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
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	DCPA (Dacthal)	n/a	=	0.19	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	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
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/2/2016 12:02:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/26/2016 11:07:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/24/2016 9:54:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 8:15:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/5/2016 8:43:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/12/2016 4:43:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/4/2016 11:42:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2015/16-3	Wet	2/1/2016 8:15:00 AM	2/27/2016 1:45:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/7/2016 8:10:00 AM	E. Coli	n/a	=	400	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/7/2016 8:20:00 AM	Enterococcus	n/a	=	390	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/8/2016 9:35:00 AM	Fecal Coliform	n/a	=	1600	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/7/2016 8:10:00 AM	Total Coliform	n/a	=	23100	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/6/2016 4:40:00 AM	Conductivity	n/a	=	1685	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/10/2016 7:03:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/6/2016 4:40:00 AM	DO	n/a	=	8.88	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/6/2016 4:40:00 AM	DO	n/a	=	89.4	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/6/2016 4:40:00 AM	pH	n/a	=	8.09	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/6/2016 4:40:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/6/2016 4:40:00 AM	Specific Conductance	n/a	=	2074	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/6/2016 4:40:00 AM	Temperature	n/a	=	15.1	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/10/2016 2:40:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/13/2016 12:05:00 PM	Oil and Grease	n/a	DNQ	3.2	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
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/10/2016 7:27:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 4:40:00 AM	3/10/2016 7:27:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/7/2016 3:04:00 PM	Chloride	n/a	=	73	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/7/2016 3:04:00 PM	Fluoride	n/a	=	0.34	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/18/2016 10:45:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/7/2016 2:49:00 PM	Sulfate	Total	=	650	mg/L	EPA 300.0	2.5	12	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/16/2016 1:38:00 PM	Calcium	Total	=	280	mg/L	EPA 200.7	1.6	10	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/16/2016 1:38:00 PM	Magnesium	Total	=	172	mg/L	EPA 200.7	1.2	10	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/15/2016 7:18:00 PM	Potassium	Total	=	53	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/16/2016 3:48:00 PM	Sodium	Total	=	160	mg/L	EPA 200.7	1.5	50	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:53:00 PM	Alkalinity as CaCO3	n/a	=	170	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/12/2016 2:40:00 PM	BOD	n/a	=	4.6	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/9/2016 3:57:00 PM	COD	n/a	=	210	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/17/2016 3:14:00 PM	Dissolved Inorganic Carbon	Dissolved	=	39	mg/L	SM 5310 C	5	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/16/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	4.7	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/16/2016 1:38:00 PM	Hardness as CaCO3	Total	=	1410	mg/L	EPA 200.7	8.94	66.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/7/2016 9:39:00 PM	MBAS	n/a	<	0.095	mg/L	SM 5540 C	0.095	0.25	WKL	UL-MB
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/16/2016 3:48:00 PM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/12/2016 9:45:00 AM	Specific Conductance	n/a	=	1800	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/8/2016 5:05:00 PM	Total Dissolved Solids	n/a	=	1200	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/9/2016 4:20:00 PM	Total Organic Carbon	n/a	=	5.6	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/8/2016 6:00:00 PM	Total Suspended Solids	n/a	=	11000	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/7/2016 8:54:00 PM	Turbidity	n/a	=	140	NTU	EPA 180.1	0.12	0.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/8/2016 6:00:00 PM	Volatile Suspended Solids	n/a	=	730	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 4:06:00 PM	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 4:06:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Aluminum	Dissolved	DNQ	3.4	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 3:06:00 PM	Aluminum	Total	=	120000	µg/L	EPA 200.8	13	50	WKL	LB-MSR
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Antimony	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:30:00 PM	Antimony	Total	DNQ	0.18	µg/L	EPA 200.8	0.045	0.5	WKL	LB-MSR
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Arsenic	Dissolved	=	0.62	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:30:00 PM	Arsenic	Total	=	39	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 3:06:00 PM	Barium	Total	=	880	µg/L	EPA 200.8	0.71	5	WKL	LB-MSR
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:30:00 PM	Beryllium	Total	=	8.2	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Cadmium	Dissolved	DNQ	0.079	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:30:00 PM	Cadmium	Total	=	7.2	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Chromium	Dissolved	DNQ	0.095	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 3:06:00 PM	Chromium	Total	=	210	µg/L	EPA 200.8	0.35	2	WKL	LB-MSR
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/9/2016 1:15:00 PM	Chromium VI	n/a	=	0.068	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 3:06:00 PM	Copper	Total	=	280	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/15/2016 6:48:00 PM	Iron	Dissolved	DNQ	4.4	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/16/2016 1:38:00 PM	Iron	Total	=	290000	µg/L	EPA 200.7	110	1000	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 3:06:00 PM	Lead	Total	=	110	µg/L	EPA 200.8	0.31	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:32:00 PM	Mercury	Dissolved	DNQ	31	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:32:00 PM	Mercury	Total	=	170	ng/L	EPA 245.1	7.8	100	WKL	

Appendix G  
Laboratory 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	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Nickel	Dissolved	=	2.4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 3:06:00 PM	Nickel	Total	=	290	µg/L	EPA 200.8	0.45	8	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Selenium	Dissolved	=	4.2	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:30:00 PM	Selenium	Total	=	8.4	µg/L	EPA 200.8	0.14	0.4	WKL	LB-MSR
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 3:30:00 PM	Silver	Total	=	0.83	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:30:00 PM	Thallium	Total	=	2.4	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:26:00 PM	Zinc	Dissolved	DNQ	2.1	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/23/2016 2:30:00 PM	Zinc	Total	=	850	µg/L	EPA 200.8	9.4	50	WKL	LB-MSR
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 3:33:00 PM	Ammonia as N	n/a	=	0.35	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/7/2016 2:41:00 PM	Nitrate + Nitrite as N	n/a	=	2.8	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/15/2016 12:17:00 PM	Phosphorus as P	Dissolved	=	0.068	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 3:30:00 PM	Phosphorus as P	Total	=	8.8	mg/L	EPA 365.1	0.07	0.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/17/2016 2:23:00 PM	TKN	n/a	=	3.9	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 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
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.17	µg/L	EPA 525.2	0.1	5	WKL	UL-MB
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 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
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 11:40:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	DCPA (Dacthal)	n/a	=	1.4	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 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-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 10:15:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/24/2016 8:21:00 AM	Pentachlorophenol	n/a	DNQ	0.62	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/27/2016 10:42:00 AM	Pentachlorophenol	n/a	DNQ	0.33	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/10/2016 1:24:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Simazine	n/a	DNQ	0.06	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 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
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/14/2016 11:20:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/21/2016 11:49:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2015/16-4	Wet	3/6/2016 1:15:00 PM	3/26/2016 6:55:00 PM	Trithion	n/a	=	0.13	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/24/2016 6:01:00 AM	Chloride	n/a	=	130	mg/L	EPA 300.0	10	50	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/23/2016 1:54:00 PM	Fluoride	n/a	=	0.31	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 2:01:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/24/2016 6:01:00 AM	Sulfate	Total	=	990	mg/L	EPA 300.0	10	50	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 6:00:00 AM	E. Coli	n/a	=	31	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 12:00:00 PM	Enterococcus	n/a	=	96	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/24/2016 11:00:00 AM	Fecal Coliform	n/a	=	33	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 6:00:00 AM	Total Coliform	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/14/2016 3:13:00 PM	Calcium	Total	=	244	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/14/2016 3:13:00 PM	Magnesium	Total	=	106	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/14/2016 3:13:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/14/2016 3:13:00 PM	Sodium	Total	=	200	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 2:19:00 PM	Alkalinity as CaCO3	n/a	=	310	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/27/2016 6:40:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 3:49:00 PM	COD	n/a	=	14	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/21/2016 9:40:00 AM	Conductivity	n/a	=	2300	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 10:38:00 PM	Cyanide	Total	DNQ	0.0013	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/23/2016 2:59:00 PM	Dissolved Inorganic Carbon	Dissolved	=	79	mg/L	SM 5310 C	20	20	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 2:34:00 PM	Dissolved Organic Carbon	Dissolved	=	4.8	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/21/2016 9:40:00 AM	DO	n/a	=	6.58	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/21/2016 9:40:00 AM	DO	n/a	=	75.8	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/14/2016 3:13:00 PM	Hardness as CaCO3	Total	=	1040	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/21/2016 8:56:00 PM	MBAS	n/a	DNQ	0.064	mg/L	SM 5540 C	0.038	0.1	WKL	UL-MB
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/21/2016 9:40:00 AM	pH	n/a	=	7.51	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/28/2016 10:54:00 AM	Phenolics	n/a	=	0.039	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/21/2016 9:40:00 AM	Salinity	n/a	=	1300	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/21/2016 9:40:00 AM	Specific Conductance	n/a	=	2500	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 3:36:00 PM	Specific Conductance	n/a	=	2600	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/21/2016 9:40:00 AM	Temperature	n/a	=	22.5	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/23/2016 5:45:00 PM	Total Dissolved Solids	n/a	=	1900	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/24/2016 7:04:00 PM	Total Organic Carbon	n/a	=	4.9	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/24/2016 6:20:00 PM	Total Suspended Solids	n/a	=	62	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 7:19:00 PM	Turbidity	n/a	=	16	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/24/2016 6:20:00 PM	Volatile Suspended Solids	n/a	=	10	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 5:00:00 PM	Diesel Range Organics	n/a	=	0.23	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 9:08:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 3:37:00 PM	Oil and Grease	n/a	DNQ	2.5	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 5:00:00 PM	Oil Range Organics	n/a	DNQ	0.47	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 2:34:00 PM	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 2:02:00 PM	Aluminum	Total	=	900	µg/L	EPA 200.8	65	250	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Antimony	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Antimony	Total	DNQ	0.097	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Arsenic	Dissolved	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Arsenic	Total	=	5.2	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Barium	Total	=	76	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
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Beryllium	Total	DNQ	0.038	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Chromium	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Chromium	Total	=	1.7	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/24/2016 11:37:00 AM	Chromium VI	n/a	=	0.043	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Copper	Dissolved	=	0.61	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Copper	Total	=	2.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/14/2016 3:07:00 PM	Iron	Dissolved	DNQ	8.2	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/14/2016 3:13:00 PM	Iron	Total	=	4200	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Lead	Total	=	0.67	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/5/2016 1:14:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/5/2016 1:14:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Nickel	Dissolved	=	2.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Nickel	Total	=	4.4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Selenium	Dissolved	DNQ	0.27	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Selenium	Total	DNQ	0.37	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Thallium	Total	DNQ	0.029	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:01:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 12:10:00 PM	Zinc	Total	=	5.6	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/27/2016 5:29:00 PM	Ammonia as N	n/a	=	0.4	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/27/2016 12:06:00 PM	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 10:33:00 AM	Phosphorus as P	Dissolved	=	0.032	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/1/2016 5:19:00 PM	Phosphorus as P	Total	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/28/2016 2:08:00 PM	TKN	n/a	=	0.83	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/23/2016 7:21:00 AM	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
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	LB-LCSR
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	2-Methylphenol	n/a	DNQ	0.46	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.37	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Diethyl phthalate	n/a	DNQ	0.75	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Dimethyl 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
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRDP
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/23/2016 7:21:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 3:19:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:51:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:40:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 9:40:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 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-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	DCPA (Dacthal)	n/a	=	0.32	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/22/2016 1:03:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 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-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 11:29:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/30/2016 8:46:00 PM	Pentachlorophenol	n/a	DNQ	0.73	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/2/2016 12:59:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Prometryn	n/a	DNQ	0.04	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/8/2016 10:19:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	7/6/2016 11:29:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2015/16-5	Dry	6/21/2016 9:40:00 AM	6/29/2016 5:52:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/16/2015 10:00:00 AM	Enterococcus	n/a	=	1553	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/19/2015 10:00:00 AM	Fecal Coliform	n/a	=	8000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	57940	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/15/2015 5:10:00 AM	Conductivity	n/a	=	1277	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/15/2015 5:10:00 AM	DO	n/a	=	58.8	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/15/2015 5:10:00 AM	DO	n/a	=	5.06	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/15/2015 5:10:00 AM	pH	n/a	=	7.48	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/15/2015 5:10:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/15/2015 5:10:00 AM	Specific Conductance	n/a	=	1341	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/15/2015 5:10:00 AM	Temperature	n/a	=	22.5	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/16/2015 7:57:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/22/2015 12:43:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 5:10:00 AM	9/22/2015 12:43:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/17/2015 1:14:00 PM	Chloride	n/a	=	100	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/17/2015 1:14:00 PM	Fluoride	n/a	=	0.48	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/15/2015 5:02:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 3:12:00 PM	Calcium	Total	=	147	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 3:12:00 PM	Magnesium	Total	=	44	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/17/2015 2:25:00 PM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	6.7	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	13	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 3:12:00 PM	Hardness as CaCO3	Total	=	549	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	DNQ	0.046	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:21:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	1300	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
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 5:31:00 PM	Total Dissolved Solids	n/a	=	870	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 11:48:00 AM	Total Organic Carbon	n/a	=	4.1	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	DNQ	4	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/16/2015 8:11:00 PM	Turbidity	n/a	=	2.9	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 8:10:00 PM	Diesel Range Organics	n/a	=	0.11	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 8:10:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Aluminum	Dissolved	DNQ	1.4	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Aluminum	Total	=	44	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Antimony	Dissolved	DNQ	0.084	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Antimony	Total	DNQ	0.094	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Arsenic	Dissolved	=	0.96	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Arsenic	Total	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Barium	Total	=	58	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Cadmium	Total	DNQ	0.044	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Chromium	Dissolved	DNQ	0.046	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Chromium	Total	=	0.23	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/23/2015 3:59:00 PM	Chromium VI	n/a	=	0.041	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Copper	Dissolved	=	0.85	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Copper	Total	=	0.68	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 2:38:00 PM	Iron	Dissolved	DNQ	9.5	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 3:12:00 PM	Iron	Total	=	160	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Lead	Total	DNQ	0.052	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Nickel	Total	=	1.7	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Selenium	Dissolved	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Selenium	Total	=	0.45	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:22:00 PM	Zinc	Dissolved	DNQ	1.8	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 1:26:00 PM	Zinc	Total	DNQ	2.7	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:40:00 AM	Nitrate + Nitrite as N	n/a	DNQ	0.076	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/5/2015 7:14:00 PM	Phosphorus as P	Dissolved	=	0.1	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 4:45:00 PM	Phosphorus as P	Total	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	0.71	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	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	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	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	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.12	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.24	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Diethyl phthalate	n/a	=	6.2	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 8:26:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 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
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 10:48:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Disulfoton	n/a	DNQ	0.06	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 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
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/20/2015 12:44:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Molinat	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 7:02:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/7/2015 10:58:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 8:28:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 10:48:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 5:31:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 11:36:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/8/2016 3:10:00 PM	Chloride	n/a	=	140	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/13/2016 2:18:00 PM	Fluoride	n/a	=	0.39	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/8/2016 3:25:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/20/2016 2:33:00 PM	Sulfate	Total	=	280	mg/L	EPA 300.0	2.5	12	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/6/2016 8:00:00 AM	E. Coli	n/a	=	3255	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/6/2016 2:00:00 PM	Enterococcus	n/a	=	4884	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/8/2016 12:50:00 PM	Fecal Coliform	n/a	=	13000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/6/2016 8:00:00 AM	Total Coliform	n/a	>	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 11:26:00 AM	Calcium	Total	=	136	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 11:26:00 AM	Magnesium	Total	=	39.1	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 11:26:00 AM	Potassium	Total	=	13	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 11:26:00 AM	Sodium	Total	=	110	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:34:00 PM	Alkalinity as CaCO3	n/a	=	280	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 6:40:00 PM	BOD	n/a	=	2.7	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/8/2016 10:45:00 AM	COD	n/a	=	31	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/5/2016 11:40:00 AM	Conductivity	n/a	=	872	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
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	70	mg/L	SM 5310 C	5	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	4.6	mg/L	SM 5310 C	0.052	1.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/5/2016 11:40:00 AM	DO	n/a	=	8.12	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/5/2016 11:40:00 AM	DO	n/a	=	75.3	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 11:26:00 AM	Hardness as CaCO3	Total	=	501	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/7/2016 1:10:00 AM	MBAS	n/a	=	0.057	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/5/2016 11:40:00 AM	pH	n/a	=	7.24	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/14/2016 9:57:00 AM	Phenolics	n/a	DNQ	0.0061	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/5/2016 11:40:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/9/2016 9:21:00 AM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/5/2016 11:40:00 AM	Specific Conductance	n/a	=	1188	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/5/2016 11:40:00 AM	Temperature	n/a	=	11	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/8/2016 4:45:00 PM	Total Dissolved Solids	n/a	=	900	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/7/2016 11:31:00 AM	Total Organic Carbon	n/a	=	7.4	mg/L	SM 5310 C	0.036	1.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/7/2016 4:50:00 PM	Total Suspended Solids	n/a	=	8	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/5/2016 10:26:00 PM	Turbidity	n/a	=	5	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/7/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	5	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/20/2016 6:38:00 PM	Diesel Range Organics	n/a	=	0.13	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/7/2016 9:13:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/20/2016 6:38:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/18/2016 11:37:00 AM	Aluminum	Dissolved	DNQ	2	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/18/2016 11:49:00 AM	Aluminum	Total	=	67	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Antimony	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Antimony	Total	DNQ	0.16	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Arsenic	Total	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Barium	Total	=	61	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Cadmium	Dissolved	DNQ	0.055	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Cadmium	Total	DNQ	0.077	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Chromium	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Chromium	Total	=	0.23	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:30:00 AM	Chromium VI	n/a	=	0.034	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Copper	Dissolved	=	1.3	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Copper	Total	=	1.6	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 11:05:00 AM	Iron	Dissolved	=	170	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 11:26:00 AM	Iron	Total	=	750	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Lead	Dissolved	DNQ	0.036	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Lead	Total	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/14/2016 3:53:00 PM	Mercury	Dissolved	DNQ	23	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/14/2016 3:53:00 PM	Mercury	Total	DNQ	24	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Nickel	Dissolved	=	7.4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Nickel	Total	=	7.5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Selenium	Total	=	1.2	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	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 1:43:00 AM	Zinc	Dissolved	DNQ	2.7	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 2:42:00 AM	Zinc	Total	DNQ	3.6	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/26/2016 7:53:00 PM	Ammonia as N	n/a	=	0.12	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/6/2016 11:59:00 AM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/20/2016 2:24:00 PM	Phosphorus as P	Dissolved	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/14/2016 3:53:00 PM	Phosphorus as P	Total	=	0.25	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 11:26:00 PM	TKN	n/a	=	0.58	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/19/2016 9:20:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/19/2016 9:20:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/8/2016 2:26:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/19/2016 9:20:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/19/2016 9:20:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 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	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Diethyl phthalate	n/a	DNQ	0.59	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Hexachlorocyclopentadiene	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/8/2016 2:26:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 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
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/18/2016 6:28:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Chlorpyrifos	n/a	=	0.016	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	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-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	LB-LCSR
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRPD
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/10/2016 12:47:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRPD
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/19/2016 5:43:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/19/2016 9:20:00 AM	Pentachlorophenol	n/a	DNQ	0.56	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/11/2016 10:18:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/22/2016 4:01:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	1/12/2016 10:51:00 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-VR2	2015/16-2	Wet	1/5/2016 11:40:00 AM	2/3/2016 6:14:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/1/2016 4:50:00 PM	Enterococcus	n/a	=	1370	MPN/100 mL	Enterolert	100	100	VCHCA	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/2/2016 4:10:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	165800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	1/31/2016 11:55:00 AM	Conductivity	n/a	=	965	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	=	0.0024	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	1/31/2016 11:55:00 AM	DO	n/a	=	70.5	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	1/31/2016 11:55:00 AM	DO	n/a	=	7.43	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	1/31/2016 3:01:00 PM	pH	n/a	=	7.06	pH Units	Field Meter	-88	0.01	Field Crew	EST-HT
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/1/2016 7:38:00 PM	pH	n/a	=	7.41	pH Units	SM 4500-H+ B	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	1/31/2016 11:55:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	1/31/2016 11:55:00 AM	Specific Conductance	n/a	=	1261	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	1/31/2016 3:01:00 PM	Temperature	n/a	=	12.7	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/2/2016 10:53:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/9/2016 5:18:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/2/2016 3:01:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2015/16-3	Wet	1/31/2016 11:55:00 AM	2/2/2016 3:01:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/6/2016 1:56:00 PM	Chloride	n/a	=	99	mg/L	EPA 300.0	0.2	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/6/2016 1:56:00 PM	Fluoride	n/a	=	0.28	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/2/2016 12:41:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:18:00 PM	Sulfate	Total	=	230	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 11:26:00 AM	Calcium	Total	=	111	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 11:26:00 AM	Magnesium	Total	=	32.5	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 11:26:00 AM	Potassium	Total	=	13	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 11:26:00 AM	Sodium	Total	=	94	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 2:45:00 PM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	4.1	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	39	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	51	mg/L	SM 5310 C	5	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	9.2	mg/L	SM 5310 C	0.052	1.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 11:26:00 AM	Hardness as CaCO3	Total	=	410	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	DNQ	0.028	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/9/2016 2:23:00 PM	Phenolics	n/a	=	0.012	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	700	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	10	mg/L	SM 5310 C	0.045	1.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	32	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/2/2016 5:05:00 PM	Turbidity	n/a	=	34	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/22/2016 6:22:00 PM	Diesel Range Organics	n/a	=	0.16	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/22/2016 6:22:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 10:42:00 AM	Aluminum	Dissolved	DNQ	3.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 11:00:00 AM	Aluminum	Total	=	1900	µg/L	EPA 200.8	26	100	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Antimony	Dissolved	DNQ	0.29	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Antimony	Total	DNQ	0.33	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Arsenic	Dissolved	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Arsenic	Total	=	3	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
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Barium	Total	=	94	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Beryllium	Total	DNQ	0.079	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Cadmium	Dissolved	DNQ	0.054	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Cadmium	Total	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Chromium	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Chromium	Total	=	5.8	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/2/2016 11:24:00 AM	Chromium VI	n/a	=	0.054	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Copper	Dissolved	=	3.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Copper	Total	=	5.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 10:23:00 AM	Iron	Dissolved	=	26	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 11:26:00 AM	Iron	Total	=	3000	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Lead	Dissolved	DNQ	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Lead	Total	=	0.97	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/11/2016 3:40:00 PM	Mercury	Dissolved	DNQ	14	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/11/2016 3:40:00 PM	Mercury	Total	DNQ	13	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/10/2016 10:48:00 AM	Nickel	Dissolved	=	8	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/10/2016 11:14:00 AM	Nickel	Total	=	14	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Selenium	Dissolved	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Selenium	Total	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Thallium	Total	DNQ	0.035	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 11:41:00 AM	Zinc	Dissolved	DNQ	1.4	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 12:57:00 PM	Zinc	Total	=	9.6	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.13	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/3/2016 3:23:00 PM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/9/2016 3:49:00 PM	Phosphorus as P	Dissolved	=	0.19	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/8/2016 2:35:00 PM	Phosphorus as P	Total	=	0.52	mg/L	EPA 365.1	0.007	0.05	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 9:55:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	2,6-Dinitrotoluene	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	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.6	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.52	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Diethyl phthalate	n/a	=	2.4	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Dimethyl 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
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/23/2016 6:33:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 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
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Dimethoate	n/a	DNQ	0.0067	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/2/2016 12:12:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	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
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/24/2016 10:23:00 AM	Pentachlorophenol	n/a	DNQ	0.32	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/26/2016 11:38:00 PM	Pentachlorophenol	n/a	DNQ	0.7	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/5/2016 9:18:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/12/2016 5:13:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/4/2016 12:08:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-3	Wet	2/1/2016 9:55:00 AM	2/27/2016 2:12:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/7/2016 8:10:00 AM	E. Coli	n/a	=	4610	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/7/2016 8:20:00 AM	Enterococcus	n/a	=	11190	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/10/2016 10:00:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/7/2016 8:10:00 AM	Total Coliform	n/a	=	120300	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/6/2016 4:25:00 AM	Conductivity	n/a	=	789	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/16/2016 7:52:00 PM	Cyanide	Total	DNQ	0.0014	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/6/2016 4:25:00 AM	DO	n/a	=	74.8	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/6/2016 4:25:00 AM	DO	n/a	=	7.66	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/6/2016 4:25:00 AM	pH	n/a	=	7.6	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/6/2016 4:25:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/6/2016 4:25:00 AM	Specific Conductance	n/a	=	994	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/6/2016 4:25:00 AM	Temperature	n/a	=	14.2	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/10/2016 3:10:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/13/2016 12:05:00 PM	Oil and Grease	n/a	DNQ	2.1	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/10/2016 7:58:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 4:25:00 AM	3/10/2016 7:58:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/7/2016 3:43:00 PM	Chloride	n/a	=	80	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/7/2016 3:20:00 PM	Fluoride	n/a	=	0.33	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/18/2016 11:07:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/7/2016 3:43:00 PM	Sulfate	Total	=	240	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/15/2016 7:21:00 PM	Calcium	Total	=	111	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/15/2016 7:21:00 PM	Magnesium	Total	=	33.5	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/15/2016 7:21:00 PM	Potassium	Total	=	9.1	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/15/2016 7:21:00 PM	Sodium	Total	=	79	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 1:53:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/12/2016 2:40:00 PM	BOD	n/a	=	2.1	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/9/2016 3:57:00 PM	COD	n/a	=	29	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/17/2016 3:14:00 PM	Dissolved Inorganic Carbon	Dissolved	=	58	mg/L	SM 5310 C	10	10	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/16/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	6.6	mg/L	SM 5310 C	0.013	0.3	WKL	

Appendix G  
Laboratory 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	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/15/2016 7:21:00 PM	Hardness as CaCO3	Total	=	414	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/7/2016 9:39:00 PM	MBAS	n/a	DNQ	0.023	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/16/2016 3:49:00 PM	Phenolics	n/a	DNQ	0.0072	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/12/2016 9:45:00 AM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/8/2016 5:05:00 PM	Total Dissolved Solids	n/a	=	740	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/9/2016 4:20:00 PM	Total Organic Carbon	n/a	=	6.4	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/8/2016 6:00:00 PM	Total Suspended Solids	n/a	=	130	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/7/2016 8:54:00 PM	Turbidity	n/a	=	40	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/8/2016 6:00:00 PM	Volatile Suspended Solids	n/a	=	13	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 4:41:00 PM	Diesel Range Organics	n/a	DNQ	0.032	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 4:41:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Aluminum	Dissolved	=	5.2	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Aluminum	Total	=	4100	µg/L	EPA 200.8	1.3	5	WKL	LB-MSR
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Antimony	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Antimony	Total	DNQ	0.26	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Arsenic	Total	=	3.3	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Barium	Total	=	100	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Beryllium	Total	=	0.17	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Cadmium	Dissolved	DNQ	0.084	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Cadmium	Total	=	0.34	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Chromium	Dissolved	DNQ	0.092	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/9/2016 1:50:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Copper	Dissolved	=	2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Copper	Total	=	7.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/15/2016 6:51:00 PM	Iron	Dissolved	=	13	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/15/2016 7:21:00 PM	Iron	Total	=	6000	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Lead	Total	=	2.1	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 2:32:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 2:32:00 PM	Mercury	Total	DNQ	24	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Nickel	Dissolved	=	4.4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Nickel	Total	=	17	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Selenium	Dissolved	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Selenium	Total	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Thallium	Total	DNQ	0.065	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:35:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/23/2016 1:39:00 PM	Zinc	Total	=	19	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 3:33:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/7/2016 2:44:00 PM	Nitrate + Nitrite as N	n/a	=	0.66	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/15/2016 12:18:00 PM	Phosphorus as P	Dissolved	=	0.15	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 3:38:00 PM	Phosphorus as P	Total	=	0.46	mg/L	EPA 365.1	0.007	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/17/2016 2:23:00 PM	TKN	n/a	=	0.69	mg/L	EPA 351.2	0.05	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	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Benzo(b)fluoranthene	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	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.35	µg/L	EPA 525.2	0.1	5	WKL	UL-MB
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Diethyl phthalate	n/a	=	2.6	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Hexachlorocyclopentadiene	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 12:15:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	PCB Aroclor 1254	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
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	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
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 10:25:00 AM	Glyphosate	n/a	=	16	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/24/2016 8:51:00 AM	Pentachlorophenol	n/a	DNQ	0.63	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/27/2016 11:11:00 AM	Pentachlorophenol	n/a	DNQ	0.34	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/10/2016 2:01:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Simazine	n/a	DNQ	0.04	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/14/2016 11:50:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/19/2016 3:52:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-4	Wet	3/6/2016 12:30:00 PM	3/26/2016 7:21:00 PM	Trithion	n/a	DNQ	0.09	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/22/2016 8:14:00 PM	Chloride	n/a	=	89	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/22/2016 7:59:00 PM	Fluoride	n/a	=	0.38	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 1:29:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/22/2016 8:14:00 PM	Sulfate	Total	=	280	mg/L	EPA 300.0	1	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 8:30:00 AM	E. Coli	n/a	=	281	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 1:25:00 PM	Enterococcus	n/a	=	300	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/18/2016 10:00:00 AM	Fecal Coliform	n/a	=	130	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 8:30:00 AM	Total Coliform	n/a	=	10462	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 2:05:00 PM	Calcium	Total	=	156	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 2:05:00 PM	Magnesium	Total	=	47.2	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 2:05:00 PM	Potassium	Total	=	4.1	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	7/14/2016 11:20:00 PM	Sodium	Total	=	90	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
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 11:46:00 PM	Alkalinity as CaCO3	n/a	=	340	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/21/2016 6:15:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:14:00 AM	COD	n/a	=	7.9	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/15/2016 9:45:00 AM	Conductivity	n/a	=	1129	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/21/2016 2:16:00 PM	Dissolved Inorganic Carbon	Dissolved	=	93	mg/L	SM 5310 C	20	20	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/22/2016 2:34:00 PM	Dissolved Organic Carbon	Dissolved	=	2.6	mg/L	SM 5310 C	0.013	0.3	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/15/2016 9:45:00 AM	DO	n/a	=	53.8	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/15/2016 9:45:00 AM	DO	n/a	=	5.02	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 3:05:00 PM	Hardness as CaCO3	Total	=	584	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 8:02:00 PM	MBAS	n/a	DNQ	0.02	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/15/2016 9:45:00 AM	pH	n/a	=	7.88	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:52:00 AM	Phenolics	n/a	=	0.014	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/15/2016 9:45:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/15/2016 9:45:00 AM	Specific Conductance	n/a	=	1306	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 11:51:00 AM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/15/2016 9:45:00 AM	Temperature	n/a	=	17.9	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/21/2016 3:40:00 PM	Total Dissolved Solids	n/a	=	920	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/20/2016 4:27:00 PM	Total Organic Carbon	n/a	=	2.5	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/20/2016 4:20:00 PM	Total Suspended Solids	n/a	=	39	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 8:02:00 PM	Turbidity	n/a	=	25	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/20/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	5	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/21/2016 4:01:00 PM	Diesel Range Organics	n/a	DNQ	0.051	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/22/2016 5:36:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/20/2016 5:45:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/21/2016 4:01:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Aluminum	Dissolved	DNQ	2.8	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Aluminum	Total	=	650	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Antimony	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Arsenic	Total	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Barium	Total	=	76	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Cadmium	Total	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Chromium	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Chromium	Total	=	1.8	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/21/2016 2:00:00 PM	Chromium VI	n/a	=	0.087	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Copper	Dissolved	DNQ	0.35	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Copper	Total	=	1.7	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 2:29:00 PM	Iron	Dissolved	DNQ	1.2	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 2:05:00 PM	Iron	Total	=	1100	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Lead	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Lead	Total	=	0.4	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/23/2016 5:01:00 PM	Mercury	Dissolved	DNQ	24	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/23/2016 5:01:00 PM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	3.9	50	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
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Nickel	Total	=	4.2	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Selenium	Total	=	0.7	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 5:05:00 PM	Zinc	Dissolved	DNQ	1.8	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/30/2016 3:38:00 PM	Zinc	Total	=	26	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/20/2016 6:59:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 11:50:00 AM	Nitrate + Nitrite as N	n/a	DNQ	0.042	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	7/1/2016 10:23:00 AM	Phosphorus as P	Dissolved	=	0.036	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 12:23:00 PM	Phosphorus as P	Total	=	0.08	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/24/2016 6:56:00 PM	TKN	n/a	=	0.26	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRPD
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 6:18:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	EST-LCSRPD
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	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	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	EST-LCSRPD
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	EST-LCSRPD
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.34	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	EST-LCSRPD
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/16/2016 6:18:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Naphthalene	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	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 9:25:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	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	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 8:28:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/22/2016 11:59:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 10:53:00 PM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/27/2016 7:43:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/25/2016 5:12:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Prometon	n/a	DNQ	0.06	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Simazine	n/a	DNQ	0.02	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	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	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 11:32:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/29/2016 10:22:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2015/16-5	Dry	6/15/2016 9:45:00 AM	6/28/2016 7:19:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/18/2015 9:30:00 AM	Fecal Coliform	n/a	=	50000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	1732900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	Conductivity	n/a	=	127.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	=	0.002	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	DO	n/a	=	7.93	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	DO	n/a	=	94.3	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	pH	n/a	=	7.83	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	Specific Conductance	n/a	=	129.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	Temperature	n/a	=	24	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/16/2015 8:27:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/22/2015 1:14:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/22/2015 1:14:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/17/2015 1:31:00 PM	Chloride	n/a	=	25	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/17/2015 1:31:00 PM	Fluoride	n/a	=	0.2	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/15/2015 7:18:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/22/2015 3:15:00 PM	Calcium	Total	=	32.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/22/2015 3:15:00 PM	Magnesium	Total	=	7.43	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	58	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	19	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	330	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/22/2015 3:15:00 PM	Hardness as CaCO3	Total	=	112	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	=	1.1	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 10:21:00 AM	Phenolics	n/a	=	0.062	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	300	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 5:31:00 PM	Total Dissolved Solids	n/a	=	240	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/22/2015 11:48:00 AM	Total Organic Carbon	n/a	=	80	mg/L	SM 5310 C	0.09	3	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	400	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/16/2015 8:11:00 PM	Turbidity	n/a	=	24	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	91	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/28/2015 10:22:00 AM	Diesel Range Organics	n/a	=	2.8	mg/L	EPA 8015B	0.12	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 8:44:00 PM	Oil Range Organics	n/a	=	2.2	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Aluminum	Dissolved	=	84	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Aluminum	Total	=	4800	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Antimony	Dissolved	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Antimony	Total	=	2.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Arsenic	Total	=	3.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Barium	Total	=	81	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Beryllium	Total	=	0.22	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-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Cadmium	Dissolved	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Cadmium	Total	=	0.78	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Chromium	Dissolved	=	1.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/23/2015 4:14:00 PM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Copper	Dissolved	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Copper	Total	=	60	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/22/2015 2:40:00 PM	Iron	Dissolved	=	180	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/22/2015 3:15:00 PM	Iron	Total	=	7600	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Lead	Dissolved	=	0.51	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Lead	Total	=	10	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	=	54	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Nickel	Dissolved	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Nickel	Total	=	22	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Selenium	Dissolved	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Selenium	Total	=	0.72	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Silver	Total	DNQ	0.11	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Thallium	Total	DNQ	0.074	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 1:30:00 PM	Zinc	Dissolved	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/25/2015 3:59:00 PM	Zinc	Total	=	330	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	1.5	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 11:42:00 AM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/5/2015 7:16:00 PM	Phosphorus as P	Dissolved	=	0.56	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 5:55:00 PM	Phosphorus as P	Total	=	1.5	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	6.4	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 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
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	3-/4-Methylphenol	n/a	DNQ	0.33	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.23	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.43	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Diethyl phthalate	n/a	=	1.6	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Di-n-butylphthalate	n/a	DNQ	0.26	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 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
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	Phenol	n/a	DNQ	0.51	µg/L	EPA 8270C	0.35	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 9:00:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	EST-MSRPD
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	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
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	DCPA (Dacthal)	n/a	=	0.36	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	LB-MSR
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/20/2015 1:16:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Malathion	n/a	=	0.2	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 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-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 7:31:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/7/2015 11:27:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/18/2015 9:02:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Toxothion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/29/2015 1:35:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	10/1/2015 6:00:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2015/16-1	Wet	9/15/2015 10:30:00 AM	9/26/2015 12:02:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	5475	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/8/2016 9:10:00 AM	Fecal Coliform	n/a	=	11000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	41060	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/5/2016 9:10:00 AM	Conductivity	n/a	=	49	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	DNQ	0.0013	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/5/2016 9:10:00 AM	DO	n/a	=	77.5	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/5/2016 9:10:00 AM	DO	n/a	=	8.18	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/5/2016 9:10:00 AM	pH	n/a	=	7.58	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/5/2016 9:10:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/5/2016 9:10:00 AM	Specific Conductance	n/a	=	63.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/5/2016 9:10:00 AM	Temperature	n/a	=	12.8	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/7/2016 9:43:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/8/2016 2:58:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 9:10:00 AM	1/8/2016 2:58:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 6:34:00 PM	Chloride	n/a	=	7.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 6:34:00 PM	Fluoride	n/a	=	0.11	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/8/2016 3:58:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 6:34:00 PM	Sulfate	Total	=	8.8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 12:05:00 PM	Calcium	Total	=	12.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 12:05:00 PM	Magnesium	Total	=	3.15	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 12:05:00 PM	Potassium	Total	=	4.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 12:05:00 PM	Sodium	Total	=	7.6	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/13/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	22	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 6:40:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/8/2016 10:45:00 AM	COD	n/a	=	86	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	8.5	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	5.5	mg/L	SM 5310 C	0.13	3	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 12:05:00 PM	Hardness as CaCO3	Total	=	44	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/7/2016 1:10:00 AM	MBAS	n/a	=	0.11	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/14/2016 9:58:00 AM	Phenolics	n/a	=	0.029	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/9/2016 9:21:00 AM	Specific Conductance	n/a	=	95	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-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/8/2016 4:45:00 PM	Total Dissolved Solids	n/a	=	62	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/7/2016 11:31:00 AM	Total Organic Carbon	n/a	=	16	mg/L	SM 5310 C	0.09	3	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/7/2016 4:50:00 PM	Total Suspended Solids	n/a	=	110	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/5/2016 10:26:00 PM	Turbidity	n/a	=	35	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/7/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	34	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/20/2016 7:16:00 PM	Diesel Range Organics	n/a	=	1.3	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/20/2016 7:16:00 PM	Oil Range Organics	n/a	=	1.8	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/18/2016 11:39:00 AM	Aluminum	Dissolved	=	28	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/18/2016 11:56:00 AM	Aluminum	Total	=	3000	µg/L	EPA 200.8	13	50	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Antimony	Dissolved	=	0.57	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Arsenic	Dissolved	=	0.72	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Barium	Total	=	48	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Cadmium	Total	=	0.33	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Chromium	Dissolved	=	0.65	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Chromium	Total	=	6.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:42:00 AM	Chromium VI	n/a	=	0.47	µg/L	EPA 218.6	0.0048	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Copper	Dissolved	=	6.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Copper	Total	=	27	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 11:08:00 AM	Iron	Dissolved	=	50	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 12:05:00 PM	Iron	Total	=	4300	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Lead	Dissolved	=	0.25	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Lead	Total	=	6.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/14/2016 3:53:00 PM	Mercury	Dissolved	DNQ	30	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/14/2016 3:53:00 PM	Mercury	Total	DNQ	39	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Nickel	Total	=	7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Selenium	Dissolved	DNQ	0.22	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Selenium	Total	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Silver	Total	DNQ	0.088	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Thallium	Total	DNQ	0.052	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 1:51:00 AM	Zinc	Dissolved	=	28	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 3:18:00 AM	Zinc	Total	=	160	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/26/2016 7:53:00 PM	Ammonia as N	n/a	=	0.27	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/6/2016 12:01:00 PM	Nitrate + Nitrite as N	n/a	=	0.62	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/20/2016 2:26:00 PM	Phosphorus as P	Dissolved	=	0.26	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/14/2016 3:55:00 PM	Phosphorus as P	Total	=	0.54	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 11:26:00 PM	TKN	n/a	=	1.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	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	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/19/2016 9:49:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 6:13:00 AM	2-Methylphenol	n/a	=	1	µg/L	EPA 8270C	0.34	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/19/2016 9:49:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/19/2016 9:49:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/19/2016 9:49:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/19/2016 9:49:00 AM	4-Chloro-3-methylphenol	n/a	DNQ	0.4	µg/L	EPA 8270C	0.37	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Benzo(k)fluoranthene	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-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.5	µg/L	EPA 525.2	1.1	3	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Diethyl phthalate	n/a	=	1.2	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/19/2016 9:49:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/18/2016 7:03:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	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-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	4,4'-DDE	n/a	DNQ	0.014	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	DCPA (Dacthal)	n/a	DNQ	0.076	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 AM	Diazinon	n/a	=	0.01	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Dichlorvos	n/a	DNQ	0.0046	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 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-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Fensulfotion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRPD
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/10/2016 1:08:00 PM	Glyphosate	n/a	DNQ	2.3	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRPD
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/19/2016 9:49:00 AM	Pentachlorophenol	n/a	DNQ	0.68	µg/L	EPA 8270C	0.15	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/19/2016 6:13:00 AM	Pentachlorophenol	n/a	DNQ	0.65	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/11/2016 10:52:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	EST-HT
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/22/2016 4:32:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	1/12/2016 11:17:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2015/16-2	Wet	1/5/2016 11:05:00 AM	2/26/2016 11:34:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	EST-HT
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	4106	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/3/2016 4:10:00 PM	Fecal Coliform	n/a	=	4300	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	72700	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	Conductivity	n/a	=	69.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	DO	n/a	=	94.5	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	DO	n/a	=	9.6	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	pH	n/a	=	7.69	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	Specific Conductance	n/a	=	95	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	Temperature	n/a	=	14.7	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/2/2016 11:24:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/9/2016 5:18:00 PM	Oil and Grease	n/a	DNQ	4.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/2/2016 3:29:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/2/2016 3:29:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/6/2016 11:45:00 AM	Chloride	n/a	=	8.3	mg/L	EPA 300.0	0.1	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	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/6/2016 11:45:00 AM	Fluoride	n/a	DNQ	0.06	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 1:05:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/6/2016 11:45:00 AM	Sulfate	Total	=	7.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:28:00 AM	Calcium	Total	=	10.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:28:00 AM	Magnesium	Total	=	2.35	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:28:00 AM	Potassium	Total	=	3.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:28:00 AM	Sodium	Total	=	8.2	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/11/2016 12:37:00 PM	Alkalinity as CaCO3	n/a	=	22	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	56	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.9	mg/L	SM 5310 C	5	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	5.8	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:28:00 AM	Hardness as CaCO3	Total	=	35.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.16	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/9/2016 2:24:00 PM	Phenolics	n/a	=	0.014	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	92	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	47	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	60	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 6:53:00 PM	Turbidity	n/a	=	14	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	27	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/22/2016 6:58:00 PM	Diesel Range Organics	n/a	=	0.75	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/22/2016 6:58:00 PM	Oil Range Organics	n/a	=	0.75	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 10:43:00 AM	Aluminum	Dissolved	=	25	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:02:00 AM	Aluminum	Total	=	1200	µg/L	EPA 200.8	13	50	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Antimony	Dissolved	=	0.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Antimony	Total	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Arsenic	Dissolved	=	0.78	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Arsenic	Total	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Barium	Total	=	26	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Beryllium	Total	DNQ	0.048	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Chromium	Dissolved	=	0.51	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Chromium	Total	=	3.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 11:36:00 AM	Chromium VI	n/a	=	0.3	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Copper	Dissolved	=	6.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Copper	Total	=	16	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 10:33:00 AM	Iron	Dissolved	=	39	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:28:00 AM	Iron	Total	=	2000	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Lead	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Lead	Total	=	2.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/11/2016 3:40:00 PM	Mercury	Dissolved	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/11/2016 3:40:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/10/2016 10:50:00 AM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/10/2016 11:16:00 AM	Nickel	Total	=	4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Selenium	Dissolved	<	0.14	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-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Selenium	Total	DNQ	0.19	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Silver	Total	DNQ	0.076	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Thallium	Total	DNQ	0.025	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 11:47:00 AM	Zinc	Dissolved	=	29	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:03:00 PM	Zinc	Total	=	85	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.34	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/3/2016 3:29:00 PM	Nitrate + Nitrite as N	n/a	=	0.41	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/9/2016 4:10:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 2:38:00 PM	Phosphorus as P	Total	=	0.34	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Acenaphthene	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-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3.2	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	6.3	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.66	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Diethyl phthalate	n/a	DNQ	0.8	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	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	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 7:08:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	DCPA (Daacthal)	n/a	DNQ	0.089	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	

Appendix G  
Laboratory 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	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Dichlorvos	n/a	DNQ	0.0067	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 1:00:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Malathion	n/a	=	0.015	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 12:09:00 AM	Pentachlorophenol	n/a	DNQ	0.72	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:53:00 AM	Pentachlorophenol	n/a	DNQ	1.6	µg/L	EPA 8270C	0.75	5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 9:52:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Simazine	n/a	=	0.5	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 5:44:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 12:34:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 2:38:00 AM	Trithion	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
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/25/2016 4:53:00 AM	Chloride	n/a	=	210	mg/L	EPA 300.0	10	50	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/24/2016 3:06:00 PM	Fluoride	n/a	=	0.46	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 6:31:00 PM	Perchlorate	n/a	=	0.82	µg/L	EPA 331	0.019	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/25/2016 4:53:00 AM	Sulfate	Total	=	370	mg/L	EPA 300.0	10	50	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/24/2016 8:10:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/25/2016 1:10:00 PM	Fecal Coliform	n/a	=	350	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/24/2016 8:10:00 AM	Total Coliform	n/a	=	198628	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/14/2016 5:01:00 PM	Calcium	Total	=	114	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/14/2016 5:01:00 PM	Magnesium	Total	=	25.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/14/2016 5:40:00 PM	Potassium	Total	=	16	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/14/2016 5:01:00 PM	Sodium	Total	=	230	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/24/2016 5:51:00 PM	Alkalinity as CaCO3	n/a	=	200	mg/L	SM 2320 B	0.56	10	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/29/2016 6:00:00 PM	BOD	n/a	=	60	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/6/2016 8:43:00 PM	COD	n/a	=	130	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/23/2016 11:00:00 AM	Conductivity	n/a	=	1347	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016	Cyanide	Total	=	0.0024	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/6/2016 5:26:00 PM	Dissolved Inorganic Carbon	Dissolved	=	60	mg/L	SM 5310 C	20	20	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	20	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/23/2016 11:00:00 AM	DO	n/a	=	14.15	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/23/2016 11:00:00 AM	DO	n/a	=	187.5	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/14/2016 5:01:00 PM	Hardness as CaCO3	Total	=	390	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/24/2016 7:06:00 PM	MBAS	n/a	=	0.24	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/23/2016 11:00:00 AM	pH	n/a	=	9.88	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/1/2016 9:04:00 AM	Phenolics	n/a	=	0.048	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/23/2016 11:00:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/28/2016 6:44:00 AM	Specific Conductance	n/a	=	1800	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/23/2016 11:00:00 AM	Specific Conductance	n/a	=	1268	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/23/2016 11:00:00 AM	Temperature	n/a	=	30.7	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/28/2016 4:15:00 PM	Total Dissolved Solids	n/a	=	1200	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/24/2016 7:04:00 PM	Total Organic Carbon	n/a	=	53	mg/L	SM 5310 C	0.36	12	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/24/2016 6:20:00 PM	Total Suspended Solids	n/a	DNQ	4	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/23/2016 7:47:00 PM	Turbidity	n/a	=	3.2	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/24/2016 6:20:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/1/2016 9:00:00 PM	Diesel Range Organics	n/a	=	0.12	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/28/2016 7:28:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 6:04:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/1/2016 9:00:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Aluminum	Dissolved	=	100	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Aluminum	Total	=	140	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Antimony	Total	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Arsenic	Dissolved	=	4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Arsenic	Total	=	4.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Barium	Total	=	66	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Cadmium	Total	=	0.12	µg/L	EPA 200.8	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-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Chromium	Dissolved	=	0.42	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Chromium	Total	=	0.61	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/27/2016 11:43:00 AM	Chromium VI	n/a	=	0.33	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Copper	Dissolved	=	41	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Copper	Total	=	48	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/14/2016 4:43:00 PM	Iron	Dissolved	=	26	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/14/2016 5:01:00 PM	Iron	Total	=	90	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Lead	Dissolved	DNQ	0.098	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Lead	Total	=	0.44	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/28/2016 4:09:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/28/2016 4:09:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Nickel	Dissolved	=	2.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Nickel	Total	=	2.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Selenium	Dissolved	=	0.48	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Selenium	Total	=	0.56	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 11:58:00 AM	Silver	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Silver	Total	DNQ	0.15	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Thallium	Dissolved	DNQ	0.015	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 3:06:00 PM	Zinc	Dissolved	=	7.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/5/2016 12:02:00 PM	Zinc	Total	=	10	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/6/2016 5:02:00 PM	Ammonia as N	n/a	=	0.15	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/27/2016 12:37:00 PM	Nitrate + Nitrite as N	n/a	=	0.15	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/1/2016 10:40:00 AM	Phosphorus as P	Dissolved	=	0.61	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 7:19:00 PM	Phosphorus as P	Total	=	1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/29/2016 2:29:00 PM	TKN	n/a	=	21	mg/L	EPA 351.2	0.5	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/25/2016 10:08:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	LB-LCSR
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	2-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
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	2-Methylphenol	n/a	=	14	µg/L	EPA 8270C	0.34	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.43	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Diethyl phthalate	n/a	=	2.9	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 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
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/25/2016 10:08:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	Phenol	n/a	DNQ	0.68	µg/L	EPA 8270C	0.35	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 11:34:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Atrazine	n/a	DNQ	0.04	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 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
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	Dalapon	n/a	=	2.8	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	DCPA (Dacthal)	n/a	=	0.48	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Dichlorvos	n/a	DNQ	0.0034	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 6:44:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/28/2016 4:56:00 PM	Glyphosate	n/a	=	29	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 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-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 4:45:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	6/30/2016 10:11:00 PM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 8270C	0.15	1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/2/2016 5:11:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Simazine	n/a	DNQ	0.02	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/8/2016 11:51:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/7/2016 6:44:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2015/16-5	Dry	6/23/2016 11:00:00 AM	7/13/2016 9:59:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	4884	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/17/2015 9:00:00 AM	Fecal Coliform	n/a	=	50000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	62400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	Conductivity	n/a	=	149.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	DO	n/a	=	8.45	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	DO	n/a	=	102.6	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	pH	n/a	=	8.01	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	Specific Conductance	n/a	=	152.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/15/2015 3:45:00 AM	Temperature	n/a	=	23.8	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/16/2015 10:30:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	DNQ	1.6	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/22/2015 3:22:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 3:45:00 AM	9/22/2015 3:22:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 7:57:00 AM	Chloride	n/a	=	17	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 7:57:00 AM	Fluoride	n/a	=	0.23	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/16/2015 3:09:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/22/2015 3:23:00 PM	Calcium	Total	=	39.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/22/2015 3:23:00 PM	Magnesium	Total	=	9.16	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	56	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	21	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	240	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/22/2015 3:23:00 PM	Hardness as CaCO3	Total	=	137	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	=	0.36	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/30/2015 10:01:00 AM	Phenolics	n/a	=	0.02	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	340	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 5:31:00 PM	Total Dissolved Solids	n/a	=	180	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/22/2015 11:48:00 AM	Total Organic Carbon	n/a	=	43	mg/L	SM 5310 C	0.09	3	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	67	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/16/2015 8:11:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	24	mg/L	EPA 160.4	3.1	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-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 10:25:00 PM	Diesel Range Organics	n/a	=	1.5	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 10:25:00 PM	Oil Range Organics	n/a	=	1.3	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Aluminum	Dissolved	=	39	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Aluminum	Total	=	1200	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Arsenic	Dissolved	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Barium	Total	=	43	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Beryllium	Total	DNQ	0.053	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Cadmium	Dissolved	=	0.44	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Cadmium	Total	=	1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Chromium	Total	=	6.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/23/2015 4:32:00 PM	Chromium VI	n/a	=	0.82	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Copper	Dissolved	=	20	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Copper	Total	=	38	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/22/2015 2:48:00 PM	Iron	Dissolved	=	63	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/22/2015 3:23:00 PM	Iron	Total	=	2100	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Lead	Dissolved	=	0.34	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Lead	Total	=	3.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	DNQ	8	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	DNQ	16	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Nickel	Dissolved	=	6.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Nickel	Total	=	10	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Selenium	Dissolved	=	1.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Selenium	Total	=	1.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Thallium	Total	DNQ	0.065	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 4:12:00 PM	Zinc	Dissolved	=	70	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/25/2015 2:36:00 PM	Zinc	Total	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	0.8	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 11:49:00 AM	Nitrate + Nitrite as N	n/a	=	1.5	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/5/2015 7:20:00 PM	Phosphorus as P	Dissolved	=	0.39	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 7:17:00 PM	Phosphorus as P	Total	=	0.83	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	3.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 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-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.34	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.6	µg/L	EPA 525.2	1.1	3	WKL	

Appendix G  
Laboratory 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	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.47	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Diethyl phthalate	n/a	=	1.1	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Di-n-butylphthalate	n/a	DNQ	0.29	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 10:41:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	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-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Chlorpyrifos	n/a	DNQ	0.0076	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Disulfoton	n/a	DNQ	0.08	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/20/2015 1:47:00 PM	Glyphosate	n/a	=	50	µg/L	EPA 547	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-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Malathion	n/a	=	0.46	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/8/2015 12:55:00 AM	Pentachlorophenol	n/a	DNQ	0.65	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 9:00:00 AM	Pentachlorophenol	n/a	DNQ	0.78	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	Pentachlorophenol	n/a	DNQ	0.19	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/18/2015 10:46:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Stirophos (Tetrachlorvinphos)	n/a	=	0.018	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/29/2015 2:37:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	10/1/2015 7:28:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2015/16-1	Wet	9/15/2015 8:45:00 AM	9/26/2015 1:21:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/8/2016 12:50:00 PM	Fecal Coliform	n/a	=	3000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	64880	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/5/2016 8:50:00 AM	Conductivity	n/a	=	81	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	=	0.0038	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/5/2016 8:50:00 AM	DO	n/a	=	9.31	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/5/2016 8:50:00 AM	DO	n/a	=	90.8	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/5/2016 8:50:00 AM	pH	n/a	=	7.97	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/5/2016 8:50:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/5/2016 8:50:00 AM	Specific Conductance	n/a	=	107.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/5/2016 8:50:00 AM	Temperature	n/a	=	12.2	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/8/2016 1:50:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	DNQ	3.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/12/2016 4:52:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 8:50:00 AM	1/12/2016 4:52:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/8/2016 5:15:00 PM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 7:53:00 PM	Fluoride	n/a	=	0.18	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/8/2016 5:40:00 PM	Perchlorate	n/a	=	2.2	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 7:53:00 PM	Sulfate	Total	=	59	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 12:18:00 PM	Calcium	Total	=	44.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 12:18:00 PM	Magnesium	Total	=	9	mg/L	EPA 200.7	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
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 12:18:00 PM	Potassium	Total	=	4.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 12:18:00 PM	Sodium	Total	=	13	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	41	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 6:40:00 PM	BOD	n/a	=	7.2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/8/2016 10:45:00 AM	COD	n/a	=	46	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	11	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	4.9	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 12:18:00 PM	Hardness as CaCO3	Total	=	149	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/7/2016 1:10:00 AM	MBAS	n/a	=	0.064	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/14/2016 10:06:00 AM	Phenolics	n/a	DNQ	0.008	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/9/2016 9:21:00 AM	Specific Conductance	n/a	=	250	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/8/2016 4:45:00 PM	Total Dissolved Solids	n/a	=	160	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/7/2016 11:31:00 AM	Total Organic Carbon	n/a	=	9.5	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/7/2016 4:50:00 PM	Total Suspended Solids	n/a	=	93	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/6/2016 11:16:00 PM	Turbidity	n/a	=	37	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/7/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	23	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/20/2016 10:24:00 PM	Diesel Range Organics	n/a	=	0.37	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/20/2016 10:24:00 PM	Oil Range Organics	n/a	DNQ	0.44	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/18/2016 11:46:00 AM	Aluminum	Dissolved	=	21	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/18/2016 12:03:00 PM	Aluminum	Total	=	4500	µg/L	EPA 200.8	13	50	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Antimony	Dissolved	=	0.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Antimony	Total	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Arsenic	Dissolved	=	0.94	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Arsenic	Total	=	4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Barium	Total	=	130	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Beryllium	Total	=	0.2	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Cadmium	Dissolved	=	0.27	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Cadmium	Total	=	7.4	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Chromium	Dissolved	=	0.95	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Chromium	Total	=	15	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 11:50:00 AM	Chromium VI	n/a	=	0.66	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Copper	Dissolved	=	6.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Copper	Total	=	63	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 11:21:00 AM	Iron	Dissolved	=	41	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/11/2016 12:18:00 PM	Iron	Total	=	8300	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Lead	Dissolved	DNQ	0.096	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/14/2016 3:53:00 PM	Mercury	Dissolved	DNQ	28	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/14/2016 3:53:00 PM	Mercury	Total	=	50	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Nickel	Dissolved	=	2.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Nickel	Total	=	28	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Selenium	Dissolved	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Selenium	Total	=	2.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Silver	Total	=	0.24	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Thallium	Total	=	0.37	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-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 2:27:00 AM	Zinc	Dissolved	=	8.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 3:55:00 AM	Zinc	Total	=	220	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/26/2016 7:53:00 PM	Ammonia as N	n/a	=	0.3	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/6/2016 12:12:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/20/2016 2:36:00 PM	Phosphorus as P	Dissolved	=	0.19	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/14/2016 4:05:00 PM	Phosphorus as P	Total	=	0.44	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 11:26:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/19/2016 12:16:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/19/2016 12:16:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/19/2016 12:16:00 PM	2-Methylphenol	n/a	DNQ	0.76	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/19/2016 12:16:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/19/2016 12:16:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/19/2016 12:16:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	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	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Benzo(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Diethyl phthalate	n/a	DNQ	0.49	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/18/2016 9:58:00 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-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	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-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	LB-LCSR
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRPD
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/10/2016 2:01:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Malathion	n/a	=	0.032	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRPD
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/19/2016 8:43:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/19/2016 12:16:00 PM	Pentachlorophenol	n/a	DNQ	0.72	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/12/2016 1:46:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/22/2016 10:40:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	1/13/2016 2:43:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2015/16-2	Wet	1/5/2016 1:15:00 PM	2/3/2016 9:03:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/3/2016 4:00:00 PM	Fecal Coliform	n/a	=	9200	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	Conductivity	n/a	=	132.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	=	0.0021	mg/L	ASTM D7511	0.0005	0.002	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-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	DO	n/a	=	86.7	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	DO	n/a	=	9	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	pH	n/a	=	7.03	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	Specific Conductance	n/a	=	170	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	Temperature	n/a	=	13.5	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/3/2016 2:58:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/8/2016 11:40:00 AM	Oil and Grease	n/a	DNQ	3.6	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/2/2016 6:45:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/2/2016 6:45:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/6/2016 12:58:00 PM	Chloride	n/a	=	20	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/6/2016 12:58:00 PM	Fluoride	n/a	=	0.29	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/6/2016 12:21:00 PM	Perchlorate	n/a	DNQ	1.5	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 6:34:00 PM	Sulfate	Total	=	180	mg/L	EPA 300.0	1	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:45:00 AM	Calcium	Total	=	72.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:45:00 AM	Magnesium	Total	=	21.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:45:00 AM	Potassium	Total	=	4.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:45:00 AM	Sodium	Total	=	33	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/10/2016 3:59:00 PM	Alkalinity as CaCO3	n/a	=	97	mg/L	SM 2320 B	0.56	10	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	5.2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	45	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 4:05:00 AM	Dissolved Inorganic Carbon	Dissolved	=	23	mg/L	SM 5310 C	2	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	4.6	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:45:00 AM	Hardness as CaCO3	Total	=	268	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.077	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/11/2016 10:57:00 AM	Phenolics	n/a	=	0.011	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	590	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	350	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	7.8	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	120	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 5:05:00 PM	Turbidity	n/a	=	32	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	28	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/22/2016 10:02:00 PM	Diesel Range Organics	n/a	=	0.29	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/22/2016 10:02:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 10:50:00 AM	Aluminum	Dissolved	=	9.8	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:09:00 AM	Aluminum	Total	=	2300	µg/L	EPA 200.8	26	100	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Antimony	Dissolved	=	0.77	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Antimony	Total	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Arsenic	Total	=	3.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Barium	Total	=	68	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Cadmium	Dissolved	=	0.39	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Cadmium	Total	=	3.8	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 8:16:00 PM	Chromium	Dissolved	=	0.56	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 3:10:00 PM	Chromium VI	n/a	=	0.37	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-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Copper	Dissolved	=	5.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 10:42:00 AM	Iron	Dissolved	=	23	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:45:00 AM	Iron	Total	=	5100	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Lead	Dissolved	DNQ	0.054	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Lead	Total	=	3.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	12	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	13	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/10/2016 11:00:00 AM	Nickel	Dissolved	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/10/2016 11:25:00 AM	Nickel	Total	=	18	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Selenium	Dissolved	=	3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Selenium	Total	=	4.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Silver	Total	DNQ	0.18	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Thallium	Total	=	0.34	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:16:00 PM	Zinc	Dissolved	=	6.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:32:00 PM	Zinc	Total	=	72	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.23	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/3/2016 3:40:00 PM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/9/2016 3:57:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 2:45:00 PM	Phosphorus as P	Total	=	0.41	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.7	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	2-Methylphenol	n/a	DNQ	0.53	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 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
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	3-4-Methylphenol	n/a	DNQ	0.34	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	LB-LCSR
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Diethyl phthalate	n/a	DNQ	0.39	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 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
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 10:01:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 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-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 1:53:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Malathion	n/a	=	0.085	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 2:41:00 AM	Pentachlorophenol	n/a	DNQ	0.76	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 1:20:00 PM	Pentachlorophenol	n/a	DNQ	0.53	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 3:04:00 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
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 11:52:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 2:42:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2015/16-3	Wet	2/1/2016 8:55:00 AM	3/2/2016 8:04:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/24/2016 6:17:00 AM	Chloride	n/a	=	71	mg/L	EPA 300.0	5	25	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/23/2016 2:09:00 PM	Fluoride	n/a	=	0.53	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 2:17:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/24/2016 6:17:00 AM	Sulfate	Total	=	660	mg/L	EPA 300.0	5	25	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/22/2016 6:00:00 AM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/24/2016 11:00:00 AM	Fecal Coliform	n/a	=	17000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/22/2016 6:00:00 AM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/14/2016 3:16:00 PM	Calcium	Total	=	204	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/14/2016 3:16:00 PM	Magnesium	Total	=	81.4	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/14/2016 3:16:00 PM	Potassium	Total	=	7.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/14/2016 3:16:00 PM	Sodium	Total	=	120	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/22/2016 2:19:00 PM	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	10	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 6:40:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 3:49:00 PM	COD	n/a	=	17	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/21/2016 8:30:00 AM	Conductivity	n/a	=	1690	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 10:38:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/23/2016 2:59:00 PM	Dissolved Inorganic Carbon	Dissolved	=	66	mg/L	SM 5310 C	20	20	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/22/2016 2:34:00 PM	Dissolved Organic Carbon	Dissolved	=	4.2	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/21/2016 8:30:00 AM	DO	n/a	=	9.57	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/21/2016 8:30:00 AM	DO	n/a	=	106.3	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/14/2016 3:16:00 PM	Hardness as CaCO3	Total	=	844	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/21/2016 8:56:00 PM	MBAS	n/a	=	0.06	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/21/2016 8:30:00 AM	pH	n/a	=	8.21	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/28/2016 10:43:00 AM	Phenolics	n/a	=	0.018	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/21/2016 8:30:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/22/2016 3:36:00 PM	Specific Conductance	n/a	=	1900	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/21/2016 8:30:00 AM	Specific Conductance	n/a	=	1843	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/21/2016 8:30:00 AM	Temperature	n/a	=	20.9	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/23/2016 5:45:00 PM	Total Dissolved Solids	n/a	=	1400	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/24/2016 7:04:00 PM	Total Organic Carbon	n/a	=	4.6	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/24/2016 6:20:00 PM	Total Suspended Solids	n/a	DNQ	3	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/22/2016 7:19:00 PM	Turbidity	n/a	=	1.9	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/24/2016 6:20:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 5:34:00 PM	Diesel Range Organics	n/a	DNQ	0.05	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/22/2016 10:39:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 3:37:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 5:34:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	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-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 2:36:00 PM	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 2:37:00 PM	Aluminum	Total	=	37	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Antimony	Dissolved	=	0.55	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Antimony	Total	=	0.56	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Arsenic	Total	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Barium	Total	=	34	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Cadmium	Dissolved	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Cadmium	Total	=	0.33	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Chromium	Dissolved	=	0.21	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Chromium	Total	=	0.36	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/24/2016 11:49:00 AM	Chromium VI	n/a	=	0.18	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Copper	Dissolved	=	5.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Copper	Total	=	6.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/14/2016 3:10:00 PM	Iron	Dissolved	DNQ	2.1	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/14/2016 3:16:00 PM	Iron	Total	=	46	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Lead	Dissolved	=	0.26	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Lead	Total	=	0.38	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 1:14:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 1:14:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Nickel	Dissolved	=	2.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Nickel	Total	=	3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Selenium	Dissolved	=	9.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Selenium	Total	=	9.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Thallium	Dissolved	DNQ	0.024	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Thallium	Total	DNQ	0.066	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:14:00 PM	Zinc	Dissolved	DNQ	3.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 12:18:00 PM	Zinc	Total	DNQ	4.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/24/2016 3:36:00 PM	Ammonia as N	n/a	=	0.1	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 12:08:00 PM	Nitrate + Nitrite as N	n/a	=	2	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 10:37:00 AM	Phosphorus as P	Dissolved	=	0.043	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/1/2016 5:20:00 PM	Phosphorus as P	Total	=	0.059	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/28/2016 2:08:00 PM	TKN	n/a	=	1.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	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	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRPD
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/23/2016 7:53:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	EST-LCSRPD
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	EST-LCSRPD
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	EST-LCSRPD
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	

Appendix G  
Laboratory 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	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.56	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Diethyl phthalate	n/a	DNQ	0.53	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	EST-LCSRPD
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/23/2016 7:53:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 10:25:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	2,4-D	n/a	=	3.4	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	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	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	Dicamba	n/a	DNQ	0.35	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/22/2016 1:16:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	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-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/27/2016 9:44:00 PM	Pentachlorophenol	n/a	DNQ	0.92	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/30/2016 9:14:00 PM	Pentachlorophenol	n/a	DNQ	0.73	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/2/2016 1:35:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Simazine	n/a	DNQ	0.08	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/8/2016 10:50:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	7/5/2016 5:07:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2015/16-5	Dry	6/21/2016 8:30:00 AM	6/29/2016 6:18:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/17/2016 9:30:00 AM	E. Coli	n/a	=	309	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/17/2016 9:30:00 AM	Total Coliform	n/a	=	3654	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/23/2016 12:44:00 PM	Calcium	Total	=	170	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/23/2016 12:44:00 PM	Magnesium	Total	=	57.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	Conductivity	n/a	=	1421	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	Discharge	n/a	=	0.12	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	DO	n/a	=	129.8	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	DO	n/a	=	11.17	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/23/2016 12:44:00 PM	Hardness as CaCO3	Total	=	660	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	pH	n/a	=	8.12	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	Specific Conductance	n/a	=	1496	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	Temperature	n/a	=	22.3	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	1.4	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/16/2016 12:00:00 PM	Turbidity	n/a	=	0.7	NTU	Field Meter	-88	0.01	Field Crew	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/25/2016 4:50:00 PM	Copper	Dissolved	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/25/2016 4:50:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2016-DRY	Dry	8/16/2016 12:00:00 PM	8/25/2016 4:50:00 PM	Zinc	Dissolved	DNQ	1.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/19/2015 3:30:00 AM	E. Coli	n/a	=	92080	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/19/2015 10:00:00 AM	Fecal Coliform	n/a	=	280000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	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-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/15/2015 4:45:00 AM	Conductivity	n/a	=	7980	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	=	0.0063	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/15/2015 4:45:00 AM	DO	n/a	=	2.91	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/15/2015 4:45:00 AM	DO	n/a	=	35.2	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/15/2015 4:45:00 AM	pH	n/a	=	7.47	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/15/2015 4:45:00 AM	Salinity	n/a	=	4600	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/15/2015 4:45:00 AM	Specific Conductance	n/a	=	8200	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/15/2015 4:45:00 AM	Temperature	n/a	=	23.6	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/18/2015 8:47:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/22/2015 4:25:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 4:45:00 AM	9/22/2015 4:25:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/17/2015 2:38:00 PM	Chloride	n/a	=	3700	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/17/2015 7:31:00 PM	Fluoride	n/a	DNQ	0.24	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/16/2015 6:30:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/22/2015 3:35:00 PM	Calcium	Total	=	255	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/22/2015 3:35:00 PM	Magnesium	Total	=	285	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	280	mg/L	SM 2320 B	0.56	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	8.8	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	94	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/22/2015 3:35:00 PM	Hardness as CaCO3	Total	=	1810	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	=	0.22	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/30/2015 10:06:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/23/2015 11:43:00 AM	Specific Conductance	n/a	=	12000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/17/2015 6:37:00 PM	Total Dissolved Solids	n/a	=	7300	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/23/2015 10:24:00 AM	Total Organic Carbon	n/a	=	15	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	38	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/16/2015 8:40:00 PM	Turbidity	n/a	=	10	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	21	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:12:00 AM	Diesel Range Organics	n/a	=	0.26	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:12:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Aluminum	Dissolved	DNQ	2.1	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Aluminum	Total	=	210	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Antimony	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Antimony	Total	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Arsenic	Total	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Barium	Total	=	81	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Cadmium	Total	=	0.35	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Chromium	Dissolved	DNQ	0.064	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Chromium	Total	=	0.65	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/23/2015 5:29:00 PM	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Copper	Total	=	4.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/22/2015 3:01:00 PM	Iron	Dissolved	DNQ	7.3	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-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/22/2015 3:35:00 PM	Iron	Total	=	1500	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Lead	Total	=	0.76	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	DNQ	10	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Nickel	Dissolved	=	2.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Nickel	Total	=	3.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Selenium	Dissolved	DNQ	0.27	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Selenium	Total	DNQ	0.35	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 4:51:00 PM	Zinc	Dissolved	=	8.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/25/2015 3:02:00 PM	Zinc	Total	=	33	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	0.34	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:33:00 AM	Nitrate + Nitrite as N	n/a	=	0.22	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/5/2015 7:06:00 PM	Phosphorus as P	Dissolved	=	0.33	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 7:13:00 PM	Phosphorus as P	Total	=	0.61	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	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-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.19	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.28	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Dimethyl phthalate	n/a	=	5.3	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	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-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 1:32:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	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-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Disulfoton	n/a	DNQ	0.08	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/20/2015 2:51:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Malathion	n/a	=	0.011	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/8/2015 3:21:00 AM	Pentachlorophenol	n/a	DNQ	0.49	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 11:31:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/18/2015 3:22:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 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-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0046	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/29/2015 10:17:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	10/1/2015 9:55:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2015/16-1	Wet	9/15/2015 8:00:00 AM	9/26/2015 3:31:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	5504	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/8/2016 12:50:00 PM	Fecal Coliform	n/a	=	22000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	51720	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/5/2016 10:00:00 AM	Conductivity	n/a	=	340.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	=	0.023	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/5/2016 10:00:00 AM	DO	n/a	=	5.54	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/5/2016 10:00:00 AM	DO	n/a	=	53.2	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/5/2016 10:00:00 AM	pH	n/a	=	7.84	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/5/2016 10:00:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/5/2016 10:00:00 AM	Specific Conductance	n/a	=	441.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/5/2016 10:00:00 AM	Temperature	n/a	=	13.1	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/8/2016 2:51:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/8/2016 7:12:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2015/16-2	Wet	1/5/2016 10:00:00 AM	1/8/2016 7:12:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/9/2016 3:46:00 PM	Chloride	n/a	=	3200	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/9/2016 4:02:00 PM	Fluoride	n/a	<	0.05	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/9/2016 11:41:00 AM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/9/2016 3:46:00 PM	Sulfate	Total	=	810	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:29:00 PM	Calcium	Total	=	204	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:29:00 PM	Magnesium	Total	=	225	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:29:00 PM	Potassium	Total	=	66	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:29:00 PM	Sodium	Total	=	1700	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/13/2016 3:49:00 PM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 1:50:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/8/2016 3:03:00 PM	COD	n/a	=	94	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	53	mg/L	SM 5310 C	5	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	4.2	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:29:00 PM	Hardness as CaCO3	Total	=	1440	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/8/2016 9:27:00 AM	MBAS	n/a	=	0.077	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 10:18:00 AM	Phenolics	n/a	=	0.016	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/20/2016 10:55:00 AM	Specific Conductance	n/a	=	10000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/13/2016	Total Dissolved Solids	n/a	=	6300	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:46:00 PM	Total Organic Carbon	n/a	=	7.4	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/11/2016 6:50:00 PM	Total Suspended Solids	n/a	=	220	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/6/2016 11:59:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/11/2016 6:50:00 PM	Volatile Suspended Solids	n/a	=	71	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Aluminum	Dissolved	DNQ	2.4	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Aluminum	Total	=	2400	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Antimony	Dissolved	DNQ	0.37	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	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Antimony	Total	=	0.83	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Arsenic	Dissolved	=	0.56	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Arsenic	Total	=	3.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Barium	Total	=	89	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 4:05:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Cadmium	Total	=	0.48	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Chromium	Dissolved	DNQ	0.088	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Chromium	Total	=	5.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 3:36:00 PM	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 4:05:00 PM	Copper	Dissolved	=	0.77	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 2:57:00 PM	Iron	Dissolved	DNQ	7.7	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:29:00 PM	Iron	Total	=	9500	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 4:05:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Lead	Total	=	9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/14/2016 3:22:00 PM	Mercury	Dissolved	DNQ	5	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/14/2016 3:22:00 PM	Mercury	Total	DNQ	27	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Nickel	Dissolved	=	1.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Nickel	Total	=	6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Selenium	Dissolved	DNQ	0.25	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Selenium	Total	=	0.48	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Silver	Total	DNQ	0.085	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Thallium	Total	DNQ	0.045	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 1:25:00 PM	Zinc	Dissolved	=	8.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/18/2016 3:47:00 PM	Zinc	Total	=	79	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/21/2016 4:25:00 PM	Ammonia as N	n/a	=	0.82	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/7/2016 1:12:00 PM	Nitrate + Nitrite as N	n/a	=	0.33	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/20/2016 2:47:00 PM	Phosphorus as P	Dissolved	=	0.056	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/22/2016 6:47:00 PM	Phosphorus as P	Total	=	0.89	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/19/2016 11:26:00 PM	TKN	n/a	=	3.7	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	3,5-Dichlorobenzoic acid	n/a	DNQ	0.4	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 12:34:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	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	2015/16-2	Wet	1/6/2016 11:40:00 AM	1/12/2016 9:14:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/1/2016 4:20:00 PM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/3/2016 4:10:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/1/2016 4:20:00 PM	Total Coliform	n/a	=	155310	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	1/31/2016 1:10:00 PM	Conductivity	n/a	=	7680	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/13/2016 1:39:00 AM	Cyanide	Total	=	0.0028	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	1/31/2016 1:10:00 PM	DO	n/a	=	5.88	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	1/31/2016 1:10:00 PM	DO	n/a	=	62	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/1/2016 7:38:00 PM	pH	n/a	=	7.53	pH Units	SM 4500-H+ B	0.1	0.1	WKL	EST-HT
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	1/31/2016 2:05:00 PM	pH	n/a	=	7.11	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	1/31/2016 1:10:00 PM	Salinity	n/a	=	5200	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	1/31/2016 1:10:00 PM	Specific Conductance	n/a	=	9220	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	1/31/2016 1:10:00 PM	Temperature	n/a	=	16.1	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/3/2016 6:21:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/8/2016 11:40:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/2/2016 7:41:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2015/16-3	Wet	1/31/2016 1:10:00 PM	2/2/2016 7:41:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/4/2016 2:22:00 PM	Chloride	n/a	=	4000	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/4/2016 2:41:00 PM	Fluoride	n/a	DNQ	0.07	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/6/2016 2:01:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/4/2016 2:22:00 PM	Sulfate	Total	=	1000	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:54:00 AM	Calcium	Total	=	277	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:54:00 AM	Magnesium	Total	=	295	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:54:00 AM	Potassium	Total	=	81	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:54:00 AM	Sodium	Total	=	2100	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/10/2016 3:59:00 PM	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	6.2	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/3/2016 3:39:00 PM	COD	n/a	=	69	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	69	mg/L	SM 5310 C	2	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	5	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:54:00 AM	Hardness as CaCO3	Total	=	1910	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.12	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/11/2016 11:01:00 AM	Phenolics	n/a	=	0.062	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/10/2016 3:04:00 PM	Specific Conductance	n/a	=	12000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	7300	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/9/2016 3:38:00 PM	Total Organic Carbon	n/a	=	5.8	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	44	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/2/2016 6:53:00 PM	Turbidity	n/a	=	20	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	27	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/23/2016 1:06:00 AM	Diesel Range Organics	n/a	=	0.26	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/23/2016 1:06:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:32:00 AM	Aluminum	Dissolved	DNQ	1.7	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:38:00 AM	Aluminum	Total	=	380	µg/L	EPA 200.8	1.3	5	WKL	LB-MSR
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Antimony	Dissolved	DNQ	0.35	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Antimony	Total	DNQ	0.46	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Arsenic	Dissolved	=	0.98	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Arsenic	Total	=	2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Barium	Total	=	75	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-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	LB-MSR
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Cadmium	Total	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Chromium	Dissolved	DNQ	0.087	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Chromium	Total	=	1.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/2/2016 4:24:00 PM	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Copper	Dissolved	=	1.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Copper	Total	=	4.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:14:00 AM	Iron	Dissolved	=	17	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 11:54:00 AM	Iron	Total	=	3100	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Lead	Total	=	1.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	20	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Nickel	Dissolved	=	6.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Nickel	Total	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Selenium	Dissolved	=	0.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Selenium	Total	=	0.89	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 3:40:00 PM	Zinc	Dissolved	DNQ	3.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 4:03:00 PM	Zinc	Total	=	18	µg/L	EPA 200.8	0.94	5	WKL	LB-MSR
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.73	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/3/2016 3:55:00 PM	Nitrate + Nitrite as N	n/a	=	0.4	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/11/2016 5:19:00 PM	Phosphorus as P	Dissolved	=	0.072	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/8/2016 3:20:00 PM	Phosphorus as P	Total	=	0.7	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/9/2016 1:56:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	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	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	2-Methylphenol	n/a	DNQ	0.76	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	LB-LCSR
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	4.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	12	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Dimethyl phthalate	n/a	=	7.6	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	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	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 12:57:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	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
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 10:50:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 10:50:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/3/2016 1:09:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	EST-LCSRPD
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	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-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/24/2016 3:45:00 PM	Pentachlorophenol	n/a	DNQ	0.31	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/27/2016 5:13:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 5:57:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/12/2016 2:25:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	2/5/2016 1:58:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2015/16-3	Wet	2/1/2016 10:50:00 AM	3/2/2016 10:15:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/7/2016 8:10:00 AM	E. Coli	n/a	=	20900	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/8/2016 10:00:00 AM	Fecal Coliform	n/a	=	54000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/7/2016 8:10:00 AM	Total Coliform	n/a	=	198600	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/6/2016 2:45:00 AM	Conductivity	n/a	=	757	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/16/2016 7:52:00 PM	Cyanide	Total	=	0.054	mg/L	ASTM D7511	0.001	0.004	WKL	D
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/6/2016 2:45:00 AM	DO	n/a	=	6.61	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/6/2016 2:45:00 AM	DO	n/a	=	66.8	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/6/2016 2:45:00 AM	pH	n/a	=	7.34	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/6/2016 2:45:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/6/2016 2:45:00 AM	Specific Conductance	n/a	=	917	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/6/2016 2:45:00 AM	Temperature	n/a	=	15.8	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/9/2016 6:34:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/13/2016 12:05:00 PM	Oil and Grease	n/a	DNQ	3.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/10/2016 9:34:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 2:45:00 AM	3/10/2016 9:34:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/9/2016 5:18:00 PM	Chloride	n/a	=	1500	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/9/2016 5:03:00 PM	Fluoride	n/a	<	0.05	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/18/2016 11:27:00 AM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/9/2016 5:18:00 PM	Sulfate	Total	=	390	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/16/2016 1:41:00 PM	Calcium	Total	=	115	mg/L	EPA 200.7	1.6	10	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/16/2016 1:41:00 PM	Magnesium	Total	=	119	mg/L	EPA 200.7	1.2	10	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 7:24:00 PM	Potassium	Total	=	38	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/16/2016 1:41:00 PM	Sodium	Total	=	810	mg/L	EPA 200.7	1.5	50	WKL	LB-MSR
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 1:53:00 PM	Alkalinity as CaCO3	n/a	=	120	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/12/2016 2:40:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/9/2016 3:57:00 PM	COD	n/a	=	100	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/17/2016 3:14:00 PM	Dissolved Inorganic Carbon	Dissolved	=	30	mg/L	SM 5310 C	10	10	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/16/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	3.3	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/16/2016 1:41:00 PM	Hardness as CaCO3	Total	=	779	mg/L	EPA 200.7	8.94	66.2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/7/2016 9:39:00 PM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.095	0.25	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-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/17/2016 11:39:00 AM	Phenolics	n/a	=	0.038	mg/L	EPA 420.4	0.0042	0.01	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/12/2016 9:45:00 AM	Specific Conductance	n/a	=	5600	µmhos/cm	SM 2510 B		1.4	12	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/8/2016 5:05:00 PM	Total Dissolved Solids	n/a	=	3100	mg/L	SM 2540 C	4	10	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/9/2016 4:20:00 PM	Total Organic Carbon	n/a	=	7.7	mg/L	SM 5310 C	0.036	1.2	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/8/2016 6:00:00 PM	Total Suspended Solids	n/a	=	160	mg/L	SM 2540 D	-88	5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/7/2016 8:54:00 PM	Turbidity	n/a	=	13	NTU	EPA 180.1	0.024	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/8/2016 6:00:00 PM	Volatile Suspended Solids	n/a	=	47	mg/L	EPA 160.4	3.1	5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/14/2016 5:16:00 PM	Diesel Range Organics	n/a	=	0.3	mg/L	EPA 8015B	0.024	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/14/2016 5:16:00 PM	Oil Range Organics	n/a	=	0.6	mg/L	EPA 8015B	0.33	0.5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Aluminum	Dissolved	=	6.8	µg/L	EPA 200.8	1.3	5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Aluminum	Total	=	2100	µg/L	EPA 200.8	1.3	5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Antimony	Dissolved	DNQ	0.34	µg/L	EPA 200.8	0.045	0.5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Antimony	Total	=	0.71	µg/L	EPA 200.8	0.045	0.5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Arsenic	Dissolved	=	0.42	µg/L	EPA 200.8	0.074	0.4	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Arsenic	Total	=	2.9	µg/L	EPA 200.8	0.074	0.4	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Barium	Total	=	62	µg/L	EPA 200.8	0.071	0.5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Beryllium	Total	DNQ	0.083	µg/L	EPA 200.8	0.033	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Cadmium	Total	=	0.32	µg/L	EPA 200.8	0.041	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Chromium	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Chromium	Total	=	4.7	µg/L	EPA 200.8	0.035	0.2	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/9/2016 2:03:00 PM	Chromium VI	n/a	=	0.061	µg/L	EPA 218.6	0.0048	0.02	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Copper	Dissolved	=	0.8	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 6:54:00 PM	Iron	Dissolved	=	55	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/16/2016 1:41:00 PM	Iron	Total	=	7900	µg/L	EPA 200.7	110	1000	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Lead	Dissolved	DNQ	0.061	µg/L	EPA 200.8	0.031	0.2	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Lead	Total	=	8.4	µg/L	EPA 200.8	0.031	0.2	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 2:32:00 PM	Mercury	Dissolved	DNQ	43	ng/L	EPA 245.1	3.9	50	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 2:32:00 PM	Mercury	Total	DNQ	39	ng/L	EPA 245.1	3.9	50	WKL	UL-MB	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Nickel	Total	=	5.2	µg/L	EPA 200.8	0.045	0.8	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Selenium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Selenium	Total	=	0.46	µg/L	EPA 200.8	0.14	0.4	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Silver	Total	DNQ	0.09	µg/L	EPA 200.8	0.062	0.2	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Thallium	Total	DNQ	0.036	µg/L	EPA 200.8	0.014	0.2	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:10:00 PM	Zinc	Dissolved	=	5.7	µg/L	EPA 200.8	0.94	5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/23/2016 1:14:00 PM	Zinc	Total	=	87	µg/L	EPA 200.8	0.94	5	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 3:33:00 PM	Ammonia as N	n/a	=	0.44	mg/L	EPA 350.1	0.048	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/7/2016 2:46:00 PM	Nitrate + Nitrite as N	n/a	=	0.27	mg/L	EPA 353.2	0.01	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:20:00 PM	Phosphorus as P	Dissolved	=	0.034	mg/L	EPA 365.1	0.0014	0.01	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 3:40:00 PM	Phosphorus as P	Total	=	0.72	mg/L	EPA 365.1	0.014	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/17/2016 2:23:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.05	0.1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL		
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 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-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Benzo(a)pyrene	n/a	=	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Benzo(g,h,i)perylene	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	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.23	µg/L	EPA 525.2	0.1	5	WKL	UL-MB
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.3	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3.8	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/29/2016 3:18:00 AM	Dimethyl phthalate	n/a	=	6	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	4/1/2016 8:56:00 PM	Indeno(1,2,3-cd)pyrene	n/a	=	0.11	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 12:50:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	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-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 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-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 10:36:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/24/2016 9:21:00 AM	Pentachlorophenol	n/a	DNQ	0.69	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/27/2016 11:40:00 AM	Pentachlorophenol	n/a	DNQ	0.47	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/10/2016 2:37:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Simazine	n/a	=	0.33	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/15/2016 12:21:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/19/2016 4:18:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2015/16-4	Wet	3/6/2016 6:18:00 AM	3/26/2016 7:47:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/22/2016 8:30:00 PM	Chloride	n/a	=	4600	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/22/2016 9:17:00 PM	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	7/1/2016 10:03:00 AM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/22/2016 8:30:00 PM	Sulfate	Total	=	1200	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/16/2016 8:30:00 AM	E. Coli	n/a	=	1187	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/17/2016 10:30:00 AM	Fecal Coliform	n/a	=	1400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/16/2016 8:30:00 AM	Total Coliform	n/a	=	72700	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 2:11:00 PM	Calcium	Total	=	318	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 2:11:00 PM	Magnesium	Total	=	381	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 2:11:00 PM	Potassium	Total	=	110	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	7/14/2016 11:23:00 PM	Sodium	Total	=	2400	mg/L	EPA 200.7	0.15	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/16/2016 11:46:00 PM	Alkalinity as CaCO3	n/a	=	370	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/21/2016 6:15:00 PM	BOD	n/a	=	9.2	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:14:00 AM	COD	n/a	=	99	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	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/15/2016 10:55:00 AM	Conductivity	n/a	=	12440	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/21/2016 2:16:00 PM	Dissolved Inorganic Carbon	Dissolved	=	99	mg/L	SM 5310 C	20	20	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/22/2016 2:34:00 PM	Dissolved Organic Carbon	Dissolved	=	2.9	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/15/2016 10:55:00 AM	DO	n/a	=	165.5	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/15/2016 10:55:00 AM	DO	n/a	=	14.15	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 2:11:00 PM	Hardness as CaCO3	Total	=	2360	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/16/2016 8:02:00 PM	MBAS	n/a	DNQ	0.16	mg/L	SM 5540 C	0.095	0.25	WKL	UL-MB
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/15/2016 10:55:00 AM	pH	n/a	=	8.08	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 8:03:00 AM	Phenolics	n/a	=	0.032	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/15/2016 10:55:00 AM	Salinity	n/a	=	7900	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/15/2016 10:55:00 AM	Specific Conductance	n/a	=	13630	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/21/2016 11:55:00 AM	Specific Conductance	n/a	=	15000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/15/2016 10:55:00 AM	Temperature	n/a	=	20.4	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/21/2016 3:40:00 PM	Total Dissolved Solids	n/a	=	9100	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/20/2016 4:27:00 PM	Total Organic Carbon	n/a	=	3.2	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/20/2016 4:20:00 PM	Total Suspended Solids	n/a	=	26	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/16/2016 8:02:00 PM	Turbidity	n/a	=	14	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/20/2016 4:20:00 PM	Volatile Suspended Solids	n/a	=	11	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/21/2016 4:34:00 PM	Diesel Range Organics	n/a	=	0.13	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/22/2016 6:06:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/23/2016 5:18:00 PM	Oil and Grease	n/a	DNQ	3.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/21/2016 4:34:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Aluminum	Dissolved	<	5.2	µg/L	EPA 200.8	5.2	20	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Aluminum	Total	=	76	µg/L	EPA 200.8	5.2	20	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Antimony	Dissolved	<	0.18	µg/L	EPA 200.8	0.18	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Antimony	Total	<	0.18	µg/L	EPA 200.8	0.18	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Arsenic	Dissolved	=	2.7	µg/L	EPA 200.8	0.3	1.6	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.3	1.6	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Barium	Total	=	100	µg/L	EPA 200.8	0.28	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Beryllium	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Beryllium	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Cadmium	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.16	0.4	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Cadmium	Total	DNQ	0.16	µg/L	EPA 200.8	0.16	0.4	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Chromium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.8	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Chromium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.8	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/21/2016 2:12:00 PM	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Copper	Dissolved	=	5.2	µg/L	EPA 200.8	0.52	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Copper	Total	=	7	µg/L	EPA 200.8	0.52	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 2:08:00 PM	Iron	Dissolved	=	19	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 2:11:00 PM	Iron	Total	=	1000	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Lead	Dissolved	<	0.12	µg/L	EPA 200.8	0.12	0.8	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Lead	Total	=	0.88	µg/L	EPA 200.8	0.12	0.8	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/23/2016 5:01:00 PM	Mercury	Dissolved	DNQ	22	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/23/2016 5:01:00 PM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Nickel	Dissolved	DNQ	1.9	µg/L	EPA 200.8	0.18	3.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Nickel	Total	DNQ	2.4	µg/L	EPA 200.8	0.18	3.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Selenium	Dissolved	<	0.56	µg/L	EPA 200.8	0.56	1.6	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-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Selenium	Total	<	0.56	µg/L	EPA 200.8	0.56	1.6	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Silver	Dissolved	<	0.25	µg/L	EPA 200.8	0.25	0.8	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Silver	Total	<	0.25	µg/L	EPA 200.8	0.25	0.8	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Thallium	Dissolved	<	0.056	µg/L	EPA 200.8	0.056	0.8	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Thallium	Total	<	0.056	µg/L	EPA 200.8	0.056	0.8	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:18:00 PM	Zinc	Dissolved	DNQ	13	µg/L	EPA 200.8	3.8	20	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/30/2016 4:10:00 PM	Zinc	Total	DNQ	13	µg/L	EPA 200.8	3.8	20	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/20/2016 6:59:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 11:52:00 AM	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	7/1/2016 10:24:00 AM	Phosphorus as P	Dissolved	=	0.4	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:26:00 PM	Phosphorus as P	Total	=	0.6	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/24/2016 6:56:00 PM	TKN	n/a	=	0.27	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	EST-LCSRDP
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/16/2016 6:45:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	EST-LCSRDP
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 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-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	EST-LCSRPD
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.37	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Dimethyl phthalate	n/a	=	3.8	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	EST-LCSRPD
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/16/2016 6:45:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 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
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:58:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 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-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 9:46:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:55:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/22/2016 12:12:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 11:21:00 PM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/27/2016 8:13:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/25/2016 5:48:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 12:02:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/29/2016 10:48:00 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-HUE	2015/16-5	Dry	6/15/2016 10:55:00 AM	6/28/2016 9:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 7:06:00 PM	Chloride	n/a	=	4.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 7:06:00 PM	Fluoride	n/a	=	0.11	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/8/2016 4:41:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 7:06:00 PM	Sulfate	Total	=	4.9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	5475	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/7/2016 2:25:00 PM	Fecal Coliform	n/a	=	11000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	25150	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 12:10:00 PM	Calcium	Total	=	15.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 12:10:00 PM	Magnesium	Total	=	6.32	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 12:10:00 PM	Potassium	Total	=	7.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 12:10:00 PM	Sodium	Total	=	4.2	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	30	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 4:48:00 PM	BOD	n/a	=	19	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/8/2016 10:45:00 AM	COD	n/a	=	230	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	Conductivity	n/a	=	89.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	=	0.002	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	8.5	mg/L	SM 5310 C	0.13	3	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	DO	n/a	=	99.8	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	DO	n/a	=	10.93	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 12:10:00 PM	Hardness as CaCO3	Total	=	64.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/7/2016 1:10:00 AM	MBAS	n/a	=	0.078	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	pH	n/a	=	7.22	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/14/2016 10:01:00 AM	Phenolics	n/a	=	0.023	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/9/2016 9:21:00 AM	Specific Conductance	n/a	=	86	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	Specific Conductance	n/a	=	120.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:40:00 AM	Temperature	n/a	=	11.6	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/8/2016 4:45:00 PM	Total Dissolved Solids	n/a	=	72	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/7/2016 11:31:00 AM	Total Organic Carbon	n/a	=	21	mg/L	SM 5310 C	0.09	3	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/7/2016 4:50:00 PM	Total Suspended Solids	n/a	=	510	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/5/2016 10:26:00 PM	Turbidity	n/a	=	190	NTU	EPA 180.1	0.12	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/7/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	150	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/20/2016 8:31:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/7/2016 10:45:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/20/2016 8:31:00 PM	Oil Range Organics	n/a	<	1.9	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/18/2016 11:41:00 AM	Aluminum	Dissolved	=	50	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/18/2016 11:59:00 AM	Aluminum	Total	=	8700	µg/L	EPA 200.8	26	100	WKL	HB-MSR
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Antimony	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Antimony	Total	=	0.83	µg/L	EPA 200.8	0.045	0.5	WKL	LB-MSR
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Arsenic	Dissolved	=	0.79	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Barium	Total	=	130	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Beryllium	Total	=	0.34	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	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	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Cadmium	Total	=	0.41	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Chromium	Dissolved	=	0.69	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Chromium	Total	=	16	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 11:06:00 AM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Copper	Dissolved	=	6.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Copper	Total	=	30	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 11:13:00 AM	Iron	Dissolved	=	67	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/11/2016 12:10:00 PM	Iron	Total	=	11000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Lead	Dissolved	=	0.42	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Lead	Total	=	18	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/14/2016 3:53:00 PM	Mercury	Dissolved	DNQ	28	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/14/2016 3:53:00 PM	Mercury	Total	=	76	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Nickel	Total	=	25	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Selenium	Total	DNQ	0.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:33:00 AM	Thallium	Total	DNQ	0.097	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 2:05:00 AM	Zinc	Dissolved	=	19	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 3:58:00 AM	Zinc	Total	=	200	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/26/2016 7:53:00 PM	Ammonia as N	n/a	=	0.55	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/6/2016 12:05:00 PM	Nitrate + Nitrite as N	n/a	=	0.65	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/20/2016 2:29:00 PM	Phosphorus as P	Dissolved	=	0.33	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/14/2016 3:58:00 PM	Phosphorus as P	Total	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 11:26:00 PM	TKN	n/a	=	3.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/19/2016 10:48:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/8/2016 4:01:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 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
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/19/2016 10:48:00 AM	2-Methylphenol	n/a	=	1.2	µg/L	EPA 8270C	0.34	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/19/2016 10:48:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/19/2016 10:48:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/19/2016 10:48:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/19/2016 10:48:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Benzo(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Benzo(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Benzidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	50	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	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-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/8/2016 4:01:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/18/2016 8:14:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	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
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	DPCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 10:40:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	LB-LCSR
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRPD
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/10/2016 1:29:00 PM	Glyphosate	n/a	=	10	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRPD
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	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-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/19/2016 10:48:00 AM	Pentachlorophenol	n/a	DNQ	0.8	µg/L	EPA 8270C	0.15	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/19/2016 7:13:00 AM	Pentachlorophenol	n/a	DNQ	5.9	µg/L	EPA 625	1.9	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/12/2016 12:02:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM		n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM		n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM		n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/22/2016 9:08:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	1/13/2016 1:26:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2015/16-2	Wet	1/5/2016 10:40:00 AM	2/3/2016 7:39:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	8420	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	2/3/2016 4:10:00 PM	Fecal Coliform	n/a	=	9200	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	1/31/2016 9:35:00 AM	Conductivity	n/a	=	52.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	=	0.003	mg/L	ASTM D7511	0.0005	0.002	Field Crew	UL-MB
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	1/31/2016 9:35:00 AM	DO	n/a	=	93.6	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	1/31/2016 9:35:00 AM	DO	n/a	=	9.96	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	1/31/2016 9:35:00 AM	pH	n/a	=	7.35	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	1/31/2016 9:35:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	1/31/2016 9:35:00 AM	Specific Conductance	n/a	=	72.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	1/31/2016 9:35:00 AM	Temperature	n/a	=	12.8	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	2/3/2016 12:25:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	2/9/2016 5:18:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	2/2/2016 4:25:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2015/16-3	Wet	1/31/2016 9:35:00 AM	2/2/2016 4:25:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/6/2016 12:14:00 PM	Chloride	n/a	=	2.9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/6/2016 12:14:00 PM	Fluoride	n/a	DNQ	0.036	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/2/2016 1:51:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/6/2016 12:14:00 PM	Sulfate	Total	=	6	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 11:39:00 AM	Calcium	Total	=	11.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 11:39:00 AM	Magnesium	Total	=	3.87	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 11:39:00 AM	Potassium	Total	=	4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 11:39:00 AM	Sodium	Total	=	3.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/11/2016 12:37:00 PM	Alkalinity as CaCO3	n/a	=	23	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	54	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4.7	mg/L	SM 5310 C	2	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	6.9	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 11:39:00 AM	Hardness as CaCO3	Total	=	44	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	DNQ	0.097	mg/L	SM 5540 C	0.038	0.1	WKL	UL-MB
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/11/2016 10:55:00 AM	Phenolics	n/a	=	0.014	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-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	72	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	29	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	210	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/2/2016 5:05:00 PM	Turbidity	n/a	=	35	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	52	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/22/2016 8:12:00 PM	Diesel Range Organics	n/a	=	0.6	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/22/2016 8:12:00 PM	Oil Range Organics	n/a	=	0.84	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 10:46:00 AM	Aluminum	Dissolved	=	36	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 11:05:00 AM	Aluminum	Total	=	3700	µg/L	EPA 200.8	65	250	WKL	HB-MSR
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Antimony	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Antimony	Total	DNQ	0.38	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Arsenic	Dissolved	=	0.78	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Arsenic	Total	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Barium	Total	=	51	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Beryllium	Total	=	0.14	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Cadmium	Total	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Chromium	Dissolved	=	0.55	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Chromium	Total	=	9.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/2/2016 12:01:00 PM	Chromium VI	n/a	=	2.7	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Copper	Dissolved	=	4.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Copper	Total	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 10:36:00 AM	Iron	Dissolved	=	45	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 11:39:00 AM	Iron	Total	=	4700	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Lead	Dissolved	=	0.22	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Lead	Total	=	4.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	16	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/10/2016 10:54:00 AM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/10/2016 11:20:00 AM	Nickel	Total	=	14	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Selenium	Total	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Thallium	Total	DNQ	0.043	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 11:58:00 AM	Zinc	Dissolved	=	9.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:15:00 PM	Zinc	Total	=	64	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.21	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/3/2016 3:34:00 PM	Nitrate + Nitrite as N	n/a	=	0.4	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/9/2016 3:53:00 PM	Phosphorus as P	Dissolved	=	0.15	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/8/2016 2:41:00 PM	Phosphorus as P	Total	=	0.42	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	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
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	2-Methylphenol	n/a	DNQ	0.89	µg/L	EPA 8270C	0.34	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	3-/4-Methylphenol	n/a	DNQ	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	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
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	4.5	µg/L	EPA 525.2	1.1	3	WKL	LB-MSR
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.6	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Diethyl phthalate	n/a	DNQ	0.73	µg/L	EPA 625	0.15	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/23/2016 8:16:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	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-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	LB-MSR
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	EST-MSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 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-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/2/2016 1:21:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 1:10:00 AM	Pentachlorophenol	n/a	DNQ	0.8	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/24/2016 11:52:00 AM	Pentachlorophenol	n/a	DNQ	0.62	µg/L	EPA 8270C	0.15	1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/5/2016 1:20:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/12/2016 10:20:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/4/2016 1:25:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2015/16-3	Wet	2/1/2016 9:25:00 AM	2/27/2016 3:30:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/7/2016 8:10:00 AM	E. Coli	n/a	=	17320	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/9/2016 9:50:00 AM	Fecal Coliform	n/a	=	35000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/7/2016 8:10:00 AM	Total Coliform	n/a	=	241900	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/6/2016 3:00:00 AM	Conductivity	n/a	=	68.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/10/2016 7:03:00 PM	Cyanide	Total	=	0.0041	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/6/2016 3:00:00 AM	DO	n/a	=	9.17	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/6/2016 3:00:00 AM	DO	n/a	=	88.1	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/6/2016 3:00:00 AM	pH	n/a	=	7.3	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/6/2016 3:00:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/6/2016 3:00:00 AM	Specific Conductance	n/a	=	87.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/6/2016 3:00:00 AM	Temperature	n/a	=	13.5	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/9/2016 6:04:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/13/2016 12:05:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/10/2016 9:02:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:00:00 AM	3/10/2016 9:02:00 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-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/9/2016 5:49:00 PM	Chloride	n/a	=	1.7	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/9/2016 5:49:00 PM	Fluoride	n/a	=	0.21	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/18/2016 12:32:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/9/2016 5:49:00 PM	Sulfate	Total	=	3.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 7:30:00 PM	Calcium	Total	=	9.86	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 7:30:00 PM	Magnesium	Total	=	3.82	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 7:30:00 PM	Potassium	Total	=	4.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 7:30:00 PM	Sodium	Total	=	2.3	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/16/2016 5:40:00 PM	Alkalinity as CaCO3	n/a	=	26	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/12/2016 2:40:00 PM	BOD	n/a	=	13	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/9/2016 3:57:00 PM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/17/2016 3:14:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.5	mg/L	SM 5310 C	2	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/16/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	7.4	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/7/2016 9:39:00 PM	Hardness as CaCO3	Total	=	40.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/7/2016 9:39:00 PM	MBAS	n/a	=	0.14	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/17/2016 11:42:00 AM	Phenolics	n/a	=	0.024	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/12/2016 9:45:00 AM	Specific Conductance	n/a	=	64	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/8/2016 5:05:00 PM	Total Dissolved Solids	n/a	=	54	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/9/2016 4:20:00 PM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/8/2016 6:00:00 PM	Total Suspended Solids	n/a	=	310	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/7/2016 8:54:00 PM	Turbidity	n/a	=	24	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/8/2016 6:00:00 PM	Volatile Suspended Solids	n/a	=	57	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/14/2016 7:02:00 PM	Diesel Range Organics	n/a	=	0.57	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/14/2016 7:02:00 PM	Oil Range Organics	n/a	=	0.8	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Aluminum	Dissolved	=	46	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Aluminum	Total	=	5400	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Antimony	Dissolved	DNQ	0.21	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Antimony	Total	DNQ	0.37	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Arsenic	Dissolved	=	0.72	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Arsenic	Total	=	1.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Barium	Total	=	68	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Beryllium	Total	=	0.19	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Chromium	Dissolved	=	0.34	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/9/2016 2:27:00 PM	Chromium VI	n/a	=	0.19	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 7:12:00 PM	Iron	Dissolved	=	59	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 7:30:00 PM	Iron	Total	=	5300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Lead	Dissolved	=	0.22	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Lead	Total	=	6.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 2:32:00 PM	Mercury	Dissolved	DNQ	18	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 2:32:00 PM	Mercury	Total	DNQ	49	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Nickel	Dissolved	=	1.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Nickel	Total	=	18	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-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Selenium	Total	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Thallium	Total	DNQ	0.05	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:26:00 PM	Zinc	Dissolved	=	13	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/23/2016 1:31:00 PM	Zinc	Total	=	84	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 3:33:00 PM	Ammonia as N	n/a	=	0.45	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/7/2016 2:55:00 PM	Nitrate + Nitrite as N	n/a	=	0.36	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 12:30:00 PM	Phosphorus as P	Dissolved	=	0.23	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 4:07:00 PM	Phosphorus as P	Total	=	0.64	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/17/2016 2:23:00 PM	TKN	n/a	=	2.7	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 10:20:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 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
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.44	µg/L	EPA 525.2	0.1	5	WKL	UL-MB
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Diethyl phthalate	n/a	DNQ	0.55	µg/L	EPA 625	0.15	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 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-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 1:59:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 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-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 3:10:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/8/2016 2:26:00 PM	Glyphosate	n/a	=	33	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	Pentachlorophenol	n/a	DNQ	0.19	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/24/2016 10:20:00 AM	Pentachlorophenol	n/a	DNQ	0.9	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/27/2016 12:38:00 PM	Pentachlorophenol	n/a	DNQ	0.91	µg/L	EPA 8270C	0.15	1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/10/2016 6:14:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/15/2016 1:22:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/19/2016 5:10:00 AM	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-MEI	2015/16-4	Wet	3/6/2016 3:10:00 AM	3/26/2016 8:40:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	7270	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/18/2015 10:00:00 AM	Fecal Coliform	n/a	=	900000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	25600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/15/2015 4:43:00 AM	Conductivity	n/a	=	492	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/15/2015 4:43:00 AM	DO	n/a	=	6.91	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/15/2015 4:43:00 AM	DO	n/a	=	82	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/15/2015 4:43:00 AM	pH	n/a	=	7.51	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/15/2015 4:43:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/15/2015 4:43:00 AM	Specific Conductance	n/a	=	506	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/15/2015 4:43:00 AM	Temperature	n/a	=	23.8	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/17/2015 1:33:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/22/2015 5:29:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:43:00 AM	9/22/2015 5:29:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 8:29:00 AM	Chloride	n/a	=	33	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 8:29:00 AM	Fluoride	n/a	=	0.39	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/16/2015 5:18:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/22/2015 3:28:00 PM	Calcium	Total	=	30.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/22/2015 3:28:00 PM	Magnesium	Total	=	8.03	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	62	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	37	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	270	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/22/2015 3:28:00 PM	Hardness as CaCO3	Total	=	109	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	=	0.17	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/30/2015 10:03:00 AM	Phenolics	n/a	=	0.11	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	320	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/17/2015 6:37:00 PM	Total Dissolved Solids	n/a	=	250	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/23/2015 10:24:00 AM	Total Organic Carbon	n/a	=	77	mg/L	SM 5310 C	0.18	6	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	350	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/16/2015 8:40:00 PM	Turbidity	n/a	=	37	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	80	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 11:31:00 PM	Diesel Range Organics	n/a	=	1.9	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 11:31:00 PM	Oil Range Organics	n/a	=	0.84	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Aluminum	Dissolved	=	87	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Aluminum	Total	=	6700	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Antimony	Dissolved	=	0.95	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Arsenic	Dissolved	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Arsenic	Total	=	4.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Barium	Total	=	120	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Beryllium	Total	=	0.23	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Cadmium	Total	=	0.8	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Chromium	Dissolved	=	1.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Chromium	Total	=	13	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-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/23/2015 12:17:00 PM	Chromium VI	n/a	=	0.32	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Copper	Dissolved	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Copper	Total	=	37	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/22/2015 2:53:00 PM	Iron	Dissolved	=	97	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/22/2015 3:28:00 PM	Iron	Total	=	8400	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Lead	Dissolved	=	0.68	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Lead	Total	=	12	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	DNQ	7	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	DNQ	48	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Nickel	Dissolved	=	8.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Nickel	Total	=	19	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Selenium	Dissolved	=	0.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Selenium	Total	=	0.65	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Thallium	Total	DNQ	0.078	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 2:40:00 PM	Zinc	Dissolved	=	64	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/25/2015 4:56:00 PM	Zinc	Total	=	230	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	1.4	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 11:53:00 AM	Nitrate + Nitrite as N	n/a	=	2.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/5/2015 7:23:00 PM	Phosphorus as P	Dissolved	=	0.7	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 7:08:00 PM	Phosphorus as P	Total	=	1.3	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	5.2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	2-Nitrophenol	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-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	3-/4-Methylphenol	n/a	DNQ	0.38	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	LB-MSR
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-MSRPD
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.48	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.3	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.45	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Diethyl phthalate	n/a	=	1	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Di-n-butylphthalate	n/a	DNQ	0.26	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 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
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 11:00:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	Phenol	n/a	DNQ	0.71	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 11:50:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Chloropropham	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-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	DCPA (Dacthal)	n/a	=	0.48	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Disulfoton	n/a	DNQ	0.08	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Fensulfthion	n/a	=	0.011	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/20/2015 2:08:00 PM	Glyphosate	n/a	=	20	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Malathion	n/a	=	0.047	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	Pentachlorophenol	n/a	DNQ	0.13	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 10:00:00 AM	Pentachlorophenol	n/a	DNQ	0.77	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/8/2015 1:53:00 AM	Pentachlorophenol	n/a	DNQ	0.66	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 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-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/18/2015 11:55:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0044	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/29/2015 3:38:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	10/1/2015 8:27:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2015/16-1	Wet	9/15/2015 4:53:00 AM	9/26/2015 2:13:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	1467	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/8/2016 9:45:00 AM	Fecal Coliform	n/a	=	50000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	29200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/5/2016 9:45:00 AM	Conductivity	n/a	=	185.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/5/2016 9:45:00 AM	DO	n/a	=	8.98	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/5/2016 9:45:00 AM	DO	n/a	=	84.2	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/5/2016 9:45:00 AM	pH	n/a	=	7.87	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/5/2016 9:45:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/5/2016 9:45:00 AM	Specific Conductance	n/a	=	244.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/5/2016 9:45:00 AM	Temperature	n/a	=	12.5	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/8/2016 3:53:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	DNQ	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/12/2016 5:47:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2015/16-2	Wet	1/5/2016 9:45:00 AM	1/12/2016 5:47:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/8/2016 7:04:00 PM	Chloride	n/a	=	19	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/13/2016 7:18:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/8/2016 8:08:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/8/2016 7:04:00 PM	Sulfate	Total	=	22	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 3:24:00 PM	Calcium	Total	=	32.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 3:24:00 PM	Magnesium	Total	=	10.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 3:24:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 3:24:00 PM	Sodium	Total	=	19	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/13/2016 3:49:00 PM	Alkalinity as CaCO3	n/a	=	55	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 1:50:00 PM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/8/2016 3:03:00 PM	COD	n/a	=	440	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	7	mg/L	SM 5310 C	0.13	3	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 3:24:00 PM	Hardness as CaCO3	Total	=	124	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/8/2016 8:20:00 AM	MBAS	n/a	DNQ	0.035	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 10:16:00 AM	Phenolics	n/a	DNQ	0.006	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 4:03:00 PM	Specific Conductance	n/a	=	240	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/13/2016	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:46:00 PM	Total Organic Carbon	n/a	=	15	mg/L	SM 5310 C	0.09	3	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/11/2016 6:50:00 PM	Total Suspended Solids	n/a	=	380	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/6/2016 11:59:00 PM	Turbidity	n/a	=	120	NTU	EPA 180.1	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
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/11/2016 6:50:00 PM	Volatile Suspended Solids	n/a	=	72	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Aluminum	Dissolved	=	60	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Aluminum	Total	=	16000	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Antimony	Dissolved	=	0.58	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Antimony	Total	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Arsenic	Total	=	6.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Barium	Total	=	210	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Beryllium	Total	=	0.61	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Cadmium	Total	=	1.3	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Chromium	Dissolved	=	0.83	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Chromium	Total	=	30	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 3:12:00 PM	Chromium VI	n/a	=	0.61	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Copper	Dissolved	=	5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Copper	Total	=	38	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Iron	Dissolved	=	76	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 3:24:00 PM	Iron	Total	=	21000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Lead	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Lead	Total	=	24	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/14/2016 3:22:00 PM	Mercury	Dissolved	DNQ	5	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/14/2016 3:22:00 PM	Mercury	Total	DNQ	38	ng/L	EPA 245.1	7.8	100	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Nickel	Total	=	27	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Selenium	Total	=	0.72	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Silver	Total	DNQ	0.11	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Thallium	Total	=	0.22	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 12:47:00 PM	Zinc	Dissolved	=	10	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/18/2016 1:51:00 PM	Zinc	Total	=	250	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/21/2016 4:25:00 PM	Ammonia as N	n/a	=	1.2	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/7/2016 1:07:00 PM	Nitrate + Nitrite as N	n/a	=	1.5	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/20/2016 2:45:00 PM	Phosphorus as P	Dissolved	=	0.47	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/14/2016 4:13:00 PM	Phosphorus as P	Total	=	3.2	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/19/2016 11:26:00 AM	TKN	n/a	=	10	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	DCPA (Dacthal)	n/a	=	0.24	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 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-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 4:24:00 PM	Glyphosate	n/a	=	18	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2015/16-2	Wet	1/6/2016 8:40:00 AM	1/12/2016 8:05:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	19350	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/3/2016 4:00:00 PM	Fecal Coliform	n/a	=	9200	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	Conductivity	n/a	=	186.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/13/2016 11:39:00 AM	Cyanide	Total	=	0.0027	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	DO	n/a	=	94.4	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	DO	n/a	=	9.78	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	pH	n/a	=	7.54	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	Specific Conductance	n/a	=	236.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	1/31/2016 10:55:00 AM	Temperature	n/a	=	13.7	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/3/2016 7:21:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/8/2016 11:40:00 AM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/2/2016 8:37:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2015/16-3	Wet	1/31/2016 10:55:00 AM	2/2/2016 8:37:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/6/2016 1:27:00 PM	Chloride	n/a	=	15	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/6/2016 1:27:00 PM	Fluoride	n/a	=	0.1	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/6/2016 12:58:00 PM	Perchlorate	n/a	DNQ	1.1	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/6/2016 1:27:00 PM	Sulfate	Total	=	26	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 11:48:00 AM	Calcium	Total	=	22.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 11:48:00 AM	Magnesium	Total	=	4.56	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 11:48:00 AM	Potassium	Total	=	6.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 11:48:00 AM	Sodium	Total	=	16	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/11/2016 12:37:00 PM	Alkalinity as CaCO3	n/a	=	39	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	8.6	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	56	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9	mg/L	SM 5310 C	2	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	6.6	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 11:48:00 AM	Hardness as CaCO3	Total	=	74.9	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.055	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/11/2016 10:59:00 AM	Phenolics	n/a	=	0.035	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/6/2016 10:46:00 AM	Specific Conductance	n/a	=	200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	81	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/9/2016 3:38:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	93	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/2/2016 5:05:00 PM	Turbidity	n/a	=	22	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	27	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/22/2016 11:16:00 PM	Diesel Range Organics	n/a	=	0.54	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/22/2016 11:16:00 PM	Oil Range Organics	n/a	=	0.59	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 11:28:00 AM	Aluminum	Dissolved	=	45	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 11:33:00 AM	Aluminum	Total	=	2200	µg/L	EPA 200.8	26	100	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Antimony	Dissolved	=	0.56	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Antimony	Total	=	0.8	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-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Arsenic	Total	=	2.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Barium	Total	=	44	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Beryllium	Total	DNQ	0.087	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Cadmium	Dissolved	DNQ	0.051	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Cadmium	Total	=	0.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Chromium	Total	=	5.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/2/2016 3:35:00 PM	Chromium VI	n/a	=	0.86	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Copper	Dissolved	=	5.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Copper	Total	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 10:46:00 AM	Iron	Dissolved	=	55	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 9:48:00 AM	Iron	Total	=	2800	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Lead	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Lead	Total	=	2.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	16	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Nickel	Total	=	5.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Selenium	Dissolved	=	0.53	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Selenium	Total	=	0.69	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Silver	Dissolved	DNQ	0.067	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Thallium	Dissolved	DNQ	0.016	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:22:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 3:46:00 PM	Zinc	Total	=	54	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.22	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/3/2016 3:44:00 PM	Nitrate + Nitrite as N	n/a	=	2	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/9/2016 4:00:00 PM	Phosphorus as P	Dissolved	=	0.23	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/8/2016 2:48:00 PM	Phosphorus as P	Total	=	0.48	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2,4-Dichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 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-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	2-Methylphenol	n/a	DNQ	0.92	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	LB-LCSR
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	9.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	5	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.64	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 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-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Diethyl phthalate	n/a	DNQ	0.44	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Di-n-butylphthalate	n/a	DNQ	0.3	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/23/2016 11:11:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:42:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	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	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	DCPA (Dacthal)	n/a	=	0.23	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/2/2016 2:14:00 PM	Glyphosate	n/a	=	6.6	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Malathion	n/a	=	0.011	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	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	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/27/2016 3:34:00 AM	Pentachlorophenol	n/a	DNQ	0.88	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/24/2016 2:18:00 PM	Pentachlorophenol	n/a	DNQ	0.73	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/5/2016 4:13:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/12/2016 12:54:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	2/4/2016 3:34:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2015/16-3	Wet	2/1/2016 9:45:00 AM	3/2/2016 8:56:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/7/2016 8:10:00 AM	E. Coli	n/a	=	2240	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/9/2016 10:00:00 AM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/7/2016 8:10:00 AM	Total Coliform	n/a	=	198600	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/6/2016 1:40:00 AM	Conductivity	n/a	=	106.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/16/2016 7:52:00 PM	Cyanide	Total	=	0.0025	mg/L	ASTM D7511	0.0005	0.002	Field Crew	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/6/2016 1:40:00 AM	DO	n/a	=	93.8	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/6/2016 1:40:00 AM	DO	n/a	=	9.44	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/6/2016 1:40:00 AM	pH	n/a	=	7.54	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/6/2016 1:40:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/6/2016 1:40:00 AM	Specific Conductance	n/a	=	147.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/6/2016 1:40:00 AM	Temperature	n/a	=	15	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/14/2016 6:14:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/13/2016 12:05:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/10/2016 10:06:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 1:40:00 AM	3/10/2016 10:06:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/9/2016 6:05:00 PM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/9/2016 6:05:00 PM	Fluoride	n/a	=	0.15	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/18/2016 12:53:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/9/2016 6:05:00 PM	Sulfate	Total	=	34	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 7:33:00 PM	Calcium	Total	=	26.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 7:33:00 PM	Magnesium	Total	=	5.74	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 7:33:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 7:33:00 PM	Sodium	Total	=	12	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/16/2016 5:40:00 PM	Alkalinity as CaCO3	n/a	=	32	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/12/2016 2:40:00 PM	BOD	n/a	=	9	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/9/2016 3:57:00 PM	COD	n/a	=	68	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/17/2016 3:14:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9.3	mg/L	SM 5310 C	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-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/16/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	6.8	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 7:33:00 PM	Hardness as CaCO3	Total	=	90.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/7/2016 9:39:00 PM	MBAS	n/a	DNQ	0.098	mg/L	SM 5540 C	0.038	0.1	WKL	UL-MB
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/17/2016 11:43:00 AM	Phenolics	n/a	=	0.021	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/12/2016 9:45:00 AM	Specific Conductance	n/a	=	210	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/8/2016 5:05:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 1:44:00 PM	Total Organic Carbon	n/a	=	8.6	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/8/2016 6:00:00 PM	Total Suspended Solids	n/a	=	330	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/7/2016 8:54:00 PM	Turbidity	n/a	=	27	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/8/2016 6:00:00 PM	Volatile Suspended Solids	n/a	=	45	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/14/2016 7:38:00 PM	Diesel Range Organics	n/a	=	0.83	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/14/2016 7:38:00 PM	Oil Range Organics	n/a	=	0.92	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Aluminum	Dissolved	=	42	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Aluminum	Total	=	7000	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Antimony	Dissolved	DNQ	0.37	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Antimony	Total	=	0.84	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Arsenic	Total	=	3.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Barium	Total	=	94	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Beryllium	Total	=	0.24	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Cadmium	Total	=	0.5	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Chromium	Dissolved	=	0.77	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Chromium	Total	=	13	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/9/2016 2:39:00 PM	Chromium VI	n/a	=	0.7	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Copper	Dissolved	=	3.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 7:15:00 PM	Iron	Dissolved	=	44	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 7:33:00 PM	Iron	Total	=	8300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Lead	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Lead	Total	=	8.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:32:00 PM	Mercury	Dissolved	DNQ	16	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:32:00 PM	Mercury	Total	DNQ	37	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Nickel	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Selenium	Dissolved	=	0.85	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Selenium	Total	=	0.99	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Silver	Total	DNQ	0.064	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Thallium	Total	DNQ	0.1	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:18:00 PM	Zinc	Dissolved	=	9.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/23/2016 2:22:00 PM	Zinc	Total	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 3:33:00 PM	Ammonia as N	n/a	=	0.23	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/7/2016 2:58:00 PM	Nitrate + Nitrite as N	n/a	=	2.7	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 12:24:00 PM	Phosphorus as P	Dissolved	=	0.23	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 3:44:00 PM	Phosphorus as P	Total	=	0.71	mg/L	EPA 365.1	0.014	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	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/17/2016 2:23:00 PM	TKN	n/a	=	1.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Benzo(b)fluoranthene	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-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.63	µg/L	EPA 525.2	0.1	5	WKL	UL-MB
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.21	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 2:34:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	PCB Aroclor 1248	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-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 6:50:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Bromacil	n/a	=	3.2	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	DCPA (Dacthal)	n/a	=	0.17	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	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-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 10:57:00 AM	Glyphosate	n/a	=	18	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Malathion	n/a	=	0.011	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/24/2016 10:50:00 AM	Pentachlorophenol	n/a	DNQ	0.9	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/27/2016 1:08:00 PM	Pentachlorophenol	n/a	DNQ	0.86	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/10/2016 6:50:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Simazine	n/a	DNQ	0.07	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/15/2016 1:53:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/19/2016 5:36:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2015/16-4	Wet	3/6/2016 4:00:00 AM	3/26/2016 9:06:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 6:50:00 PM	Chloride	n/a	=	4.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 6:50:00 PM	Fluoride	n/a	=	0.1	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/8/2016 4:20:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 6:50:00 PM	Sulfate	Total	=	5.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	5475	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/8/2016 12:50:00 PM	Fecal Coliform	n/a	=	13000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 12:08:00 PM	Calcium	Total	=	13.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 12:08:00 PM	Magnesium	Total	=	3.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 12:08:00 PM	Potassium	Total	=	7.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 12:08:00 PM	Sodium	Total	=	3.7	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-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	31	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 4:48:00 PM	BOD	n/a	=	17	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/8/2016 10:45:00 AM	COD	n/a	=	130	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/5/2016 9:35:00 AM	Conductivity	n/a	=	153.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	DNQ	0.0013	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	14	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	8.2	mg/L	SM 5310 C	0.13	3	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/5/2016 9:35:00 AM	DO	n/a	=	11.28	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/5/2016 9:35:00 AM	DO	n/a	=	103.6	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 4:08:00 PM	Hardness as CaCO3	Total	=	49	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/7/2016 1:10:00 AM	MBAS	n/a	=	0.074	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/5/2016 9:35:00 AM	pH	n/a	=	7.33	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/14/2016 10:00:00 AM	Phenolics	n/a	=	0.028	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/5/2016 9:35:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/5/2016 9:35:00 AM	Specific Conductance	n/a	=	205.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/9/2016 9:21:00 AM	Specific Conductance	n/a	=	91	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/5/2016 9:35:00 AM	Temperature	n/a	=	11.5	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/8/2016 4:45:00 PM	Total Dissolved Solids	n/a	=	69	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/7/2016 11:31:00 AM	Total Organic Carbon	n/a	=	26	mg/L	SM 5310 C	0.09	3	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/7/2016 4:50:00 PM	Total Suspended Solids	n/a	=	170	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/5/2016 10:26:00 PM	Turbidity	n/a	=	110	NTU	EPA 180.1	0.12	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/7/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	56	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/20/2016 7:53:00 PM	Diesel Range Organics	n/a	=	1.1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 6:10:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	DNQ	2.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/20/2016 7:53:00 PM	Oil Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/18/2016 11:40:00 AM	Aluminum	Dissolved	=	45	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/18/2016 11:57:00 AM	Aluminum	Total	=	3900	µg/L	EPA 200.8	13	50	WKL	HB-MSR
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Antimony	Dissolved	DNQ	0.29	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Antimony	Total	=	0.68	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Arsenic	Dissolved	=	0.98	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Barium	Total	=	71	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Cadmium	Total	=	0.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Chromium	Dissolved	=	0.48	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Chromium	Total	=	6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 10:54:00 AM	Chromium VI	n/a	=	0.19	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Copper	Dissolved	=	6.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Copper	Total	=	22	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:10:00 AM	Iron	Dissolved	=	61	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 12:08:00 PM	Iron	Total	=	4600	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Lead	Dissolved	=	0.51	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Lead	Total	=	7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/14/2016 3:53:00 PM	Mercury	Dissolved	DNQ	24	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/14/2016 3:53:00 PM	Mercury	Total	DNQ	42	ng/L	EPA 245.1	3.9	50	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	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Nickel	Total	=	8.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Selenium	Total	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Silver	Total	DNQ	0.094	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Thallium	Total	DNQ	0.051	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 1:58:00 AM	Zinc	Dissolved	=	24	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/12/2016 3:25:00 AM	Zinc	Total	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/26/2016 7:53:00 PM	Ammonia as N	n/a	=	0.34	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/6/2016 12:03:00 PM	Nitrate + Nitrite as N	n/a	=	0.41	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/20/2016 2:27:00 PM	Phosphorus as P	Dissolved	=	0.52	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/14/2016 3:56:00 PM	Phosphorus as P	Total	=	0.93	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 11:26:00 PM	TKN	n/a	=	2.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/19/2016 10:19:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/8/2016 3:30:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/19/2016 10:19:00 AM	2-Methylphenol	n/a	=	2	µg/L	EPA 8270C	0.34	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/19/2016 10:19:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/19/2016 10:19:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	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	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Benzenidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/8/2016 3:30:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Naphthalene	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-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/18/2016 7:38:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	DPCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	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	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	LB-LCSR
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRPD
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/10/2016 1:19:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRPD
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/19/2016 6:43:00 AM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/19/2016 10:19:00 AM	Pentachlorophenol	n/a	DNQ	0.94	µg/L	EPA 8270C	0.15	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/11/2016 11:27:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	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	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/22/2016 5:03:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	1/13/2016 1:00:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2015/16-2	Wet	1/5/2016 9:35:00 AM	2/3/2016 7:10:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	3448	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	2/3/2016 4:39:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	193500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	1/31/2016 10:20:00 AM	Conductivity	n/a	=	45.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	2/13/2016 5:18:00 AM	Cyanide	Total	=	0.0021	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	1/31/2016 10:20:00 AM	DO	n/a	=	10.3	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	1/31/2016 10:20:00 AM	DO	n/a	=	98.3	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	1/31/2016 10:20:00 AM	pH	n/a	=	7.93	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	1/31/2016 10:20:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	1/31/2016 10:20:00 AM	Specific Conductance	n/a	=	59.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	1/31/2016 10:20:00 AM	Temperature	n/a	=	12.8	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	2/2/2016 11:55:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	2/9/2016 10:20:00 AM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	2/2/2016 3:57:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2015/16-3	Wet	1/31/2016 10:20:00 AM	2/2/2016 3:57:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/6/2016 11:59:00 AM	Chloride	n/a	=	2.8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/6/2016 11:59:00 AM	Fluoride	n/a	DNQ	0.039	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 1:24:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/6/2016 11:59:00 AM	Sulfate	Total	=	4.8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:37:00 AM	Calcium	Total	=	14.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:37:00 AM	Magnesium	Total	=	5.58	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:37:00 AM	Potassium	Total	=	5.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:37:00 AM	Sodium	Total	=	3.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/11/2016 12:37:00 PM	Alkalinity as CaCO3	n/a	=	19	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	8.6	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	72	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.3	mg/L	SM 5310 C	5	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	5	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:37:00 AM	Hardness as CaCO3	Total	=	60.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.12	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/9/2016 2:27:00 PM	Phenolics	n/a	=	0.016	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	60	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	38	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	9.8	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	38	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 6:53:00 PM	Turbidity	n/a	=	58	NTU	EPA 180.1	0.048	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	20	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/22/2016 7:35:00 PM	Diesel Range Organics	n/a	=	0.6	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/22/2016 7:35:00 PM	Oil Range Organics	n/a	=	0.85	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 10:44:00 AM	Aluminum	Dissolved	=	61	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:03:00 AM	Aluminum	Total	=	8500	µg/L	EPA 200.8	65	250	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Antimony	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Antimony	Total	DNQ	0.41	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	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Arsenic	Dissolved	=	0.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Arsenic	Total	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Barium	Total	=	130	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Beryllium	Total	=	0.38	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Cadmium	Total	=	0.27	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Chromium	Dissolved	=	0.62	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Chromium	Total	=	13	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 11:48:00 AM	Chromium VI	n/a	=	0.11	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Copper	Total	=	27	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 10:35:00 AM	Iron	Dissolved	=	74	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 11:52:00 AM	Iron	Total	=	11000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Lead	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/11/2016 3:40:00 PM	Mercury	Dissolved	DNQ	14	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/11/2016 3:40:00 PM	Mercury	Total	DNQ	14	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/10/2016 10:52:00 AM	Nickel	Dissolved	=	0.93	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/10/2016 11:18:00 AM	Nickel	Total	=	18	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Selenium	Total	DNQ	0.35	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Silver	Total	DNQ	0.1	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 11:52:00 AM	Zinc	Dissolved	=	7.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 1:09:00 PM	Zinc	Total	=	140	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.19	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/3/2016 3:31:00 PM	Nitrate + Nitrite as N	n/a	=	0.34	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/9/2016 3:52:00 PM	Phosphorus as P	Dissolved	=	0.15	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/8/2016 2:40:00 PM	Phosphorus as P	Total	=	0.64	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	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	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	2-Methylphenol	n/a	DNQ	0.6	µg/L	EPA 8270C	0.34	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	7.4	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.55	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Dibenz(a,h)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
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/23/2016 7:41:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	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	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Bromacil	n/a	=	5.4	µg/L	EPA 525.2	0.038	1	WKL	EST
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/2/2016 1:11:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	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	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 12:39:00 AM	Pentachlorophenol	n/a	DNQ	0.85	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/24/2016 11:23:00 AM	Pentachlorophenol	n/a	DNQ	0.74	µg/L	EPA 8270C	0.15	1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	Pentachlorophenol	n/a	DNQ	0.13	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/5/2016 12:46:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Simazine	n/a	=	3.4	µg/L	EPA 525.2	0.015	0.1	WKL	EST
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/12/2016 9:50:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/4/2016 12:59:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2015/16-3	Wet	2/1/2016 8:55:00 AM	2/27/2016 3:04:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/7/2016 8:10:00 AM	E. Coli	n/a	=	9200	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/8/2016 9:00:00 AM	Fecal Coliform	n/a	=	14000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/7/2016 8:10:00 AM	Total Coliform	n/a	=	173200	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/6/2016 2:10:00 AM	Conductivity	n/a	=	33.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/10/2016 7:03:00 PM	Cyanide	Total	=	0.0033	mg/L	ASTM D7511	0.0005	0.002	Field Crew	UL-MB
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/6/2016 2:10:00 AM	DO	n/a	=	94	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/6/2016 2:10:00 AM	DO	n/a	=	9.78	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/6/2016 2:10:00 AM	pH	n/a	=	7.6	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/6/2016 2:10:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/6/2016 2:10:00 AM	Specific Conductance	n/a	=	42.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/6/2016 2:10:00 AM	Temperature	n/a	=	13.6	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/10/2016 3:40:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/13/2016 12:05:00 PM	Oil and Grease	n/a	DNQ	2.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/10/2016 8:30:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 2:10:00 AM	3/10/2016 8:30:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/9/2016 5:34:00 PM	Chloride	n/a	=	1.2	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/9/2016 5:34:00 PM	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/18/2016 12:11:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/9/2016 5:34:00 PM	Sulfate	Total	=	3.2	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 7:27:00 PM	Calcium	Total	=	10.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 7:27:00 PM	Magnesium	Total	=	3.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 7:27:00 PM	Potassium	Total	=	3.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 7:27:00 PM	Sodium	Total	=	2.8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/16/2016 5:40:00 PM	Alkalinity as CaCO3	n/a	=	20	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/12/2016 3:40:00 PM	BOD	n/a	=	9.6	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/9/2016 3:57:00 PM	COD	n/a	=	62	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/17/2016 3:14:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.4	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
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/16/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	5.1	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 7:27:00 PM	Hardness as CaCO3	Total	=	39.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/7/2016 9:39:00 PM	MBAS	n/a	=	0.11	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/17/2016 11:41:00 AM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/12/2016 9:45:00 AM	Specific Conductance	n/a	=	56	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/8/2016 5:05:00 PM	Total Dissolved Solids	n/a	=	40	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/9/2016 4:20:00 PM	Total Organic Carbon	n/a	=	7.5	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/8/2016 6:00:00 PM	Total Suspended Solids	n/a	=	260	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/7/2016 8:54:00 PM	Turbidity	n/a	=	32	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/8/2016 6:00:00 PM	Volatile Suspended Solids	n/a	=	44	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/14/2016 6:27:00 PM	Diesel Range Organics	n/a	=	0.16	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/14/2016 6:27:00 PM	Oil Range Organics	n/a	DNQ	0.36	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Aluminum	Dissolved	=	52	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Aluminum	Total	=	5200	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Antimony	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Antimony	Total	DNQ	0.33	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Arsenic	Dissolved	=	0.61	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Arsenic	Total	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Barium	Total	=	79	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Beryllium	Total	=	0.22	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Chromium	Dissolved	=	0.28	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Chromium	Total	=	6.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/9/2016 2:15:00 PM	Chromium VI	n/a	=	0.21	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Copper	Dissolved	=	3.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 6:57:00 PM	Iron	Dissolved	=	39	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 7:27:00 PM	Iron	Total	=	5500	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Lead	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Lead	Total	=	6.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:32:00 PM	Mercury	Dissolved	DNQ	20	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:32:00 PM	Mercury	Total	DNQ	37	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Nickel	Dissolved	DNQ	0.68	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Nickel	Total	=	9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Selenium	Total	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Thallium	Total	DNQ	0.057	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 2:14:00 PM	Zinc	Dissolved	=	8.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/23/2016 1:22:00 PM	Zinc	Total	=	72	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:33:00 PM	Ammonia as N	n/a	=	0.16	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/7/2016 2:48:00 PM	Nitrate + Nitrite as N	n/a	=	0.28	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:21:00 PM	Phosphorus as P	Dissolved	=	0.19	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 4:06:00 PM	Phosphorus as P	Total	=	0.47	mg/L	EPA 365.1	0.0056	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-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/17/2016 2:23:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Benzo(b)fluoranthene	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
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.36	µg/L	EPA 525.2	0.1	5	WKL	UL-MB
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3.2	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 1:24:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	PCB Aroclor 1248	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-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	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	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 10:47:00 AM	Glyphosate	n/a	=	7.9	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	Pentachlorophenol	n/a	DNQ	0.15	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/24/2016 9:53:00 AM	Pentachlorophenol	n/a	DNQ	0.82	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/27/2016 12:09:00 PM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 8270C	0.15	1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/10/2016 3:13:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Simazine	n/a	=	1.4	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/15/2016 12:51:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/19/2016 4:44:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2015/16-4	Wet	3/6/2016 3:45:00 AM	3/26/2016 8:14:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	34480	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/16/2015 3:30:00 AM	Fecal Coliform	n/a	=	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/15/2015 3:00:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/15/2015 3:00:00 AM	Conductivity	n/a	=	90.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	=	0.0031	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/15/2015 3:00:00 AM	DO	n/a	=	7.99	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/15/2015 3:00:00 AM	DO	n/a	=	94.1	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/15/2015 3:00:00 AM	pH	n/a	=	3.95	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/15/2015 3:00:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/15/2015 3:00:00 AM	Specific Conductance	n/a	=	93.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/15/2015 3:00:00 AM	Temperature	n/a	=	23.4	°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-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/16/2015 9:28:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/22/2015 2:18:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 3:00:00 AM	9/22/2015 2:18:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 9:01:00 AM	Chloride	n/a	=	20	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 9:01:00 AM	Fluoride	n/a	=	0.24	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/16/2015 6:10:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 3:32:00 PM	Calcium	Total	=	27.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 3:32:00 PM	Magnesium	Total	=	6.38	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	47	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	220	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 3:32:00 PM	Hardness as CaCO3	Total	=	95.7	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	=	1.3	mg/L	SM 5540 C	0.076	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/30/2015 10:05:00 AM	Phenolics	n/a	=	0.055	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	270	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 5:31:00 PM	Total Dissolved Solids	n/a	=	190	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/23/2015 10:24:00 AM	Total Organic Carbon	n/a	=	46	mg/L	SM 5310 C	0.09	3	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	120	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/16/2015 8:40:00 PM	Turbidity	n/a	=	7.3	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	37	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:39:00 AM	Diesel Range Organics	n/a	=	1.6	mg/L	EPA 8015B	0.024	0.1	WKL	LB-MSR
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:39:00 AM	Oil Range Organics	n/a	=	1.7	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Aluminum	Dissolved	=	42	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Aluminum	Total	=	2300	µg/L	EPA 200.8	1.3	5	WKL	LB-MSR
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Antimony	Total	=	2.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Arsenic	Total	=	2.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Barium	Total	=	55	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Beryllium	Total	DNQ	0.095	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Cadmium	Dissolved	DNQ	0.064	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Cadmium	Total	=	0.37	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Chromium	Dissolved	=	1.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Chromium	Total	=	6.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/23/2015 5:16:00 PM	Chromium VI	n/a	=	0.27	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Copper	Dissolved	=	23	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Copper	Total	=	49	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 2:58:00 PM	Iron	Dissolved	=	120	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/22/2015 3:32:00 PM	Iron	Total	=	3900	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Lead	Dissolved	=	0.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Lead	Total	=	9.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	DNQ	21	ng/L	EPA 245.1	3.9	50	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	DNQ	28	ng/L	EPA 245.1	3.9	50	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Nickel	Dissolved	=	8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Selenium	Dissolved	=	0.78	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-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Selenium	Total	=	0.93	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Thallium	Total	DNQ	0.036	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:54:00 PM	Zinc	Dissolved	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/25/2015 3:46:00 PM	Zinc	Total	=	270	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	0.64	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 12:02:00 PM	Nitrate + Nitrite as N	n/a	=	0.91	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/5/2015 7:30:00 PM	Phosphorus as P	Dissolved	=	0.28	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 7:11:00 PM	Phosphorus as P	Total	=	0.65	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	3.7	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 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
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.48	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.47	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Diethyl phthalate	n/a	=	1	µg/L	EPA 625	0.15	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Di-n-butylphthalate	n/a	DNQ	0.27	µg/L	EPA 625	0.24	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	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	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 12:58:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 11:00:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	

Appendix G  
Laboratory 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	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Disulfoton	n/a	DNQ	0.07	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 11:00:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Fensulfotion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/20/2015 2:30:00 PM	Glyphosate	n/a	=	25	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Malathion	n/a	=	0.068	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 11:01:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/8/2015 2:52:00 AM	Pentachlorophenol	n/a	DNQ	0.51	µg/L	EPA 8270C	0.15	1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/18/2015 2:47:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0063	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/29/2015 9:47:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	10/1/2015 9:26:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2015/16-1	Wet	9/15/2015 11:00:00 AM	9/26/2015 3:05:00 AM	Trithion	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
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	2700	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/7/2016 1:10:00 PM	Fecal Coliform	n/a	=	3000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	198630	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/5/2016 8:20:00 AM	Conductivity	n/a	=	50	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	=	0.0037	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/5/2016 8:20:00 AM	DO	n/a	=	79.1	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/5/2016 8:20:00 AM	DO	n/a	=	8.35	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/5/2016 8:20:00 AM	pH	n/a	=	7.11	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/5/2016 8:20:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/5/2016 8:20:00 AM	Specific Conductance	n/a	=	64.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/5/2016 8:20:00 AM	Temperature	n/a	=	12.6	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/8/2016 12:48:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	DNQ	2.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/8/2016 5:05:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 8:20:00 AM	1/8/2016 5:05:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/8/2016 5:31:00 PM	Chloride	n/a	=	9	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 8:08:00 PM	Fluoride	n/a	=	0.18	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/8/2016 5:58:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 8:08:00 PM	Sulfate	Total	=	18	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 12:21:00 PM	Calcium	Total	=	46.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 12:21:00 PM	Magnesium	Total	=	6.07	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 12:21:00 PM	Potassium	Total	=	4.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 12:21:00 PM	Sodium	Total	=	9.7	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	40	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 6:40:00 PM	BOD	n/a	=	14	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/8/2016 10:45:00 AM	COD	n/a	=	120	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	5.6	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 12:21:00 PM	Hardness as CaCO3	Total	=	140	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/7/2016 1:10:00 AM	MBAS	n/a	=	0.24	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/14/2016 10:08:00 AM	Phenolics	n/a	DNQ	0.0094	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/9/2016 9:21:00 AM	Specific Conductance	n/a	=	140	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/8/2016 4:45:00 PM	Total Dissolved Solids	n/a	=	84	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/7/2016 11:31:00 AM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/7/2016 4:50:00 PM	Total Suspended Solids	n/a	=	180	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/6/2016 11:16:00 PM	Turbidity	n/a	=	26	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/7/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	42	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/20/2016 11:02:00 PM	Diesel Range Organics	n/a	=	0.82	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/20/2016 11:02:00 PM	Oil Range Organics	n/a	=	1.6	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/18/2016 11:47:00 AM	Aluminum	Dissolved	=	37	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/18/2016 12:04:00 PM	Aluminum	Total	=	4900	µg/L	EPA 200.8	13	50	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Antimony	Dissolved	=	0.83	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Antimony	Total	=	3.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Arsenic	Dissolved	=	0.72	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Arsenic	Total	=	3.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Barium	Total	=	120	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Beryllium	Total	=	0.19	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-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Cadmium	Dissolved	DNQ	0.054	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Cadmium	Total	=	0.74	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 12:02:00 PM	Chromium VI	n/a	=	1.3	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Copper	Dissolved	=	8.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Copper	Total	=	60	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 11:23:00 AM	Iron	Dissolved	=	75	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/11/2016 12:21:00 PM	Iron	Total	=	8100	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Lead	Dissolved	=	0.52	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Lead	Total	=	29	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/14/2016 3:53:00 PM	Mercury	Dissolved	DNQ	30	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/14/2016 3:53:00 PM	Mercury	Total	=	52	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Nickel	Dissolved	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Selenium	Dissolved	DNQ	0.31	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Selenium	Total	=	0.68	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Silver	Total	=	0.21	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Thallium	Total	DNQ	0.083	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:34:00 AM	Zinc	Dissolved	=	32	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 4:02:00 AM	Zinc	Total	=	380	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/26/2016 7:53:00 PM	Ammonia as N	n/a	=	0.75	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/6/2016 12:14:00 PM	Nitrate + Nitrite as N	n/a	=	0.66	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/20/2016 2:37:00 PM	Phosphorus as P	Dissolved	=	0.094	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/14/2016 4:06:00 PM	Phosphorus as P	Total	=	0.56	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 11:26:00 PM	TKN	n/a	=	2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/19/2016 12:45:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	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	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/19/2016 12:45:00 PM	2-Methylphenol	n/a	DNQ	0.86	µg/L	EPA 8270C	0.34	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/19/2016 12:45:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/19/2016 12:45:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/19/2016 12:45:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/19/2016 12:45:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Benzo(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Benzo(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Benzidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Fluoranthene	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-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/18/2016 10:33:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	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	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRDP
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	LB-LCSR
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRDP
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRDP
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/10/2016 3:16:00 PM	Glyphosate	n/a	=	5.9	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Malathion	n/a	=	0.16	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRDP
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	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-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/19/2016 12:45:00 PM	Pentachlorophenol	n/a	DNQ	0.66	µg/L	EPA 8270C	0.15	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/19/2016 9:14:00 AM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/12/2016 2:20:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Toxuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/22/2016 11:10:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	1/13/2016 3:08:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2015/16-2	Wet	1/5/2016 12:52:00 PM	2/3/2016 9:31:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	2282	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/3/2016 4:10:00 PM	Fecal Coliform	n/a	=	5400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	129970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	Conductivity	n/a	=	64.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	=	0.003	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	DO	n/a	=	89.1	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	DO	n/a	=	9.02	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	pH	n/a	=	7.47	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	Specific Conductance	n/a	=	81.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	1/31/2016 10:15:00 AM	Temperature	n/a	=	14.4	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/3/2016 1:26:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/8/2016 11:40:00 AM	Oil and Grease	n/a	DNQ	4.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/2/2016 5:21:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2015/16-3	Wet	1/31/2016 10:15:00 AM	2/2/2016 5:21:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/6/2016 3:07:00 PM	Chloride	n/a	=	9.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/6/2016 3:07:00 PM	Fluoride	n/a	DNQ	0.064	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/6/2016 1:35:00 PM	Perchlorate	n/a	DNQ	1.4	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/6/2016 3:07:00 PM	Sulfate	Total	=	8.4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 11:52:00 AM	Calcium	Total	=	11.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 11:52:00 AM	Magnesium	Total	=	2.47	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 11:52:00 AM	Potassium	Total	=	3.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 11:52:00 AM	Sodium	Total	=	9	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/11/2016 12:37:00 PM	Alkalinity as CaCO3	n/a	=	22	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/3/2016 3:39:00 PM	COD	n/a	=	80	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4.8	mg/L	SM 5310 C	2	2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	7.8	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 11:52:00 AM	Hardness as CaCO3	Total	=	38	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.23	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/11/2016 11:01:00 AM	Phenolics	n/a	=	0.045	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/6/2016 10:46:00 AM	Specific Conductance	n/a	=	110	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-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	61	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/9/2016 3:38:00 PM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 C	0.09	3	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	63	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/2/2016 5:05:00 PM	Turbidity	n/a	=	19	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	32	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/23/2016 12:29:00 AM	Diesel Range Organics	n/a	=	1.8	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/23/2016 12:29:00 AM	Oil Range Organics	n/a	=	2.2	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 11:30:00 AM	Aluminum	Dissolved	=	33	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 11:36:00 AM	Aluminum	Total	=	1100	µg/L	EPA 200.8	26	100	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Antimony	Total	=	2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Arsenic	Dissolved	=	0.91	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Arsenic	Total	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Barium	Total	=	31	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Beryllium	Total	DNQ	0.045	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Cadmium	Dissolved	DNQ	0.079	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Cadmium	Total	=	0.19	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Chromium	Dissolved	=	1.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Chromium	Total	=	4.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/2/2016 4:12:00 PM	Chromium VI	n/a	=	1.3	µg/L	EPA 218.6	0.0048	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Copper	Total	=	24	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 10:51:00 AM	Iron	Dissolved	=	58	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 11:52:00 AM	Iron	Total	=	1800	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Lead	Dissolved	=	0.41	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Lead	Total	=	4.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	31	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Nickel	Dissolved	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Nickel	Total	=	5.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Selenium	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Selenium	Total	DNQ	0.34	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Thallium	Total	DNQ	0.019	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:34:00 PM	Zinc	Dissolved	=	54	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 3:57:00 PM	Zinc	Total	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/10/2016 12:28:00 PM	Ammonia as N	n/a	=	0.43	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/3/2016 3:53:00 PM	Nitrate + Nitrite as N	n/a	=	2.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/11/2016 5:23:00 PM	Phosphorus as P	Dissolved	=	0.11	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/8/2016 3:30:00 PM	Phosphorus as P	Total	=	0.3	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	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-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	LB-LCSR
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 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-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	5.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 12:21:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	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-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-MSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	EST-MSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 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-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/2/2016 2:35:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Malathion	n/a	=	0.055	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 4:42:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/24/2016 3:16:00 PM	Pentachlorophenol	n/a	DNQ	1.9	µg/L	EPA 8270C	0.75	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/27/2016 4:42:00 AM	Pentachlorophenol	n/a	DNQ	3.6	µg/L	EPA 625	0.95	5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 5:23:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	EST-MSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-MSRPD
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/12/2016 1:55:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	2/5/2016 1:32:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2015/16-3	Wet	2/1/2016 8:50:00 AM	3/2/2016 9:49:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 8:13:00 AM	Chloride	n/a	=	26	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 8:13:00 AM	Fluoride	n/a	=	0.21	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/16/2015 4:57:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/22/2015 3:25:00 PM	Calcium	Total	=	45.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/22/2015 3:25:00 PM	Magnesium	Total	=	14.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	43	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/22/2015 3:25:00 PM	Hardness as CaCO3	Total	=	176	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	=	0.24	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/30/2015 10:02:00 AM	Phenolics	n/a	=	0.093	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	490	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/17/2015 6:37:00 PM	Total Dissolved Solids	n/a	=	330	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/22/2015 11:48:00 AM	Total Organic Carbon	n/a	=	40	mg/L	SM 5310 C	0.18	6	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	28	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/16/2015 8:40:00 PM	Turbidity	n/a	=	21	NTU	EPA 180.1	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	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	14	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 10:59:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 10:59:00 PM	Oil Range Organics	n/a	=	0.67	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Aluminum	Dissolved	=	24	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Aluminum	Total	=	1100	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Arsenic	Dissolved	=	2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Arsenic	Total	=	2.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Barium	Total	=	27	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Beryllium	Total	DNQ	0.055	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Cadmium	Dissolved	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Cadmium	Total	=	0.35	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Chromium	Dissolved	=	0.63	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Chromium	Total	=	3.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/23/2015 12:01:00 PM	Chromium VI	n/a	=	0.19	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Copper	Dissolved	=	7.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Copper	Total	=	22	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/22/2015 2:51:00 PM	Iron	Dissolved	=	99	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/22/2015 3:25:00 PM	Iron	Total	=	2000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Lead	Dissolved	=	1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Lead	Total	=	7.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	DNQ	5	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	DNQ	13	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Nickel	Dissolved	=	6.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Nickel	Total	=	8.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Selenium	Dissolved	=	2.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Selenium	Total	=	2.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 1:57:00 PM	Zinc	Dissolved	=	37	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/25/2015 5:09:00 PM	Zinc	Total	=	91	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	1.2	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 11:51:00 AM	Nitrate + Nitrite as N	n/a	=	1.8	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/5/2015 7:21:00 PM	Phosphorus as P	Dissolved	=	0.24	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 7:07:00 PM	Phosphorus as P	Total	=	0.5	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	3.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2,4,6-Trichlorophenol	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
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.4	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-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.8	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.42	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Diethyl phthalate	n/a	=	2.3	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Di-n-butylphthalate	n/a	DNQ	0.27	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 9:30:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 11:16:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	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	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	DCPA (Dacthal)	n/a	=	0.14	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	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-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/20/2015 1:58:00 PM	Glyphosate	n/a	=	8.1	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Malathion	n/a	=	0.035	µg/L	EPA 525.2m	0.0076	0.01	WKL	HB-MSR
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Molinat	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/8/2015 1:24:00 AM	Pentachlorophenol	n/a	DNQ	0.62	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 5:20:00 AM	Pentachlorophenol	n/a	DNQ	0.75	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	Pentachlorophenol	n/a	DNQ	0.15	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/18/2015 11:20:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 AM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0063	µg/L	EPA 525.2m	0.0031	0.01	WKL	HB-MSR
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/29/2015 3:07:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	10/1/2015 7:57:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:20:00 AM	9/26/2015 1:47:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	8664	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/18/2015 10:00:00 AM	Fecal Coliform	n/a	=	50000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/15/2015 5:30:00 AM	Conductivity	n/a	=	182.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	DNQ	0.0011	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/15/2015 5:30:00 AM	DO	n/a	=	86.2	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/15/2015 5:30:00 AM	DO	n/a	=	7.15	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/15/2015 5:30:00 AM	pH	n/a	=	7.43	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/15/2015 5:30:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/15/2015 5:30:00 AM	Specific Conductance	n/a	=	184.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/15/2015 5:30:00 AM	Temperature	n/a	=	22.4	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/16/2015 11:00:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/22/2015 3:53:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2015/16-1	Wet	9/15/2015 5:30:00 AM	9/22/2015 3:53:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	9208	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/8/2016 12:50:00 PM	Fecal Coliform	n/a	=	5000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	43520	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/5/2016 10:25:00 AM	Conductivity	n/a	=	120	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	<	0.0005	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-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/5/2016 10:25:00 AM	DO	n/a	=	8.87	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/5/2016 10:25:00 AM	DO	n/a	=	83.9	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/5/2016 10:25:00 AM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/5/2016 10:25:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/5/2016 10:25:00 AM	Specific Conductance	n/a	=	162.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/5/2016 10:25:00 AM	Temperature	n/a	=	12.9	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/8/2016 2:21:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/8/2016 6:40:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2015/16-2	Wet	1/5/2016 10:25:00 AM	1/8/2016 6:40:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/8/2016 6:49:00 PM	Chloride	n/a	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 7:03:00 PM	Fluoride	n/a	DNQ	0.084	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/8/2016 7:49:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/8/2016 6:49:00 PM	Sulfate	Total	=	64	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 3:21:00 PM	Calcium	Total	=	31.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 3:21:00 PM	Magnesium	Total	=	8.25	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 3:21:00 PM	Potassium	Total	=	3.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 3:21:00 PM	Sodium	Total	=	17	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 3:49:00 PM	Alkalinity as CaCO3	n/a	=	56	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 1:50:00 PM	BOD	n/a	=	10	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/8/2016 3:03:00 PM	COD	n/a	=	38	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	12	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	3.9	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 3:21:00 PM	Hardness as CaCO3	Total	=	113	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/8/2016 8:19:00 AM	MBAS	n/a	DNQ	0.032	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 10:15:00 AM	Phenolics	n/a	=	0.026	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 4:03:00 PM	Specific Conductance	n/a	=	280	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016	Total Dissolved Solids	n/a	=	180	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:46:00 PM	Total Organic Carbon	n/a	=	7.3	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/11/2016 6:50:00 PM	Total Suspended Solids	n/a	=	270	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/6/2016 11:59:00 PM	Turbidity	n/a	=	32	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/11/2016 6:50:00 PM	Volatile Suspended Solids	n/a	=	47	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 2:11:00 AM	Diesel Range Organics	n/a	=	0.9	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 2:11:00 AM	Oil Range Organics	n/a	=	1.6	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Aluminum	Dissolved	=	20	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Aluminum	Total	=	2700	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Antimony	Dissolved	=	0.67	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Antimony	Total	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Arsenic	Total	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Barium	Total	=	46	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Cadmium	Total	=	0.52	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Chromium	Dissolved	=	0.83	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Chromium	Total	=	7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 3:00:00 PM	Chromium VI	n/a	=	0.57	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-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Copper	Dissolved	=	5.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Copper	Total	=	23	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 2:49:00 PM	Iron	Dissolved	=	33	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 3:21:00 PM	Iron	Total	=	4400	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Lead	Dissolved	=	0.27	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Lead	Total	=	18	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/14/2016 3:22:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/14/2016 3:22:00 PM	Mercury	Total	DNQ	20	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Nickel	Total	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Selenium	Dissolved	=	1.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Selenium	Total	=	1.9	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Thallium	Total	DNQ	0.041	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:00:00 PM	Zinc	Dissolved	=	11	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/18/2016 1:04:00 PM	Zinc	Total	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/21/2016 4:25:00 PM	Ammonia as N	n/a	=	0.31	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/7/2016 1:01:00 PM	Nitrate + Nitrite as N	n/a	=	0.8	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/20/2016 2:43:00 PM	Phosphorus as P	Dissolved	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/14/2016 4:21:00 PM	Phosphorus as P	Total	=	0.33	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 11:26:00 PM	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 1:44:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 1:44:00 PM	2-Methylphenol	n/a	DNQ	0.88	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 1:44:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 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
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 1:44:00 PM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 1:44:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 1:44:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Benzo(a)pyrene	n/a	<	0.28	µg/L	EPA 525.2	0.28	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.42	µg/L	EPA 525.2	0.42	20	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.2	µg/L	EPA 525.2	4.2	12	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.51	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Diethyl phthalate	n/a	=	1.4	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 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
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 12:53:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Alachlor	n/a	<	0.088	µg/L	EPA 525.2	0.088	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Atrazine	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Bromacil	n/a	<	0.15	µg/L	EPA 525.2	0.15	4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Butachlor	n/a	<	0.068	µg/L	EPA 525.2	0.068	0.8	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Captan	n/a	<	3.4	µg/L	EPA 525.2	3.4	4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Chlorpropham	n/a	<	0.04	µg/L	EPA 525.2	0.04	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	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-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Cyanazine	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Diazinon	n/a	<	0.38	µg/L	EPA 525.2	0.38	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Dimethoate	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.8	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Diphenamid	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Disulfoton	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	EPTC	n/a	<	0.068	µg/L	EPA 525.2	0.068	4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRPD
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 4:14:00 PM	Glyphosate	n/a	=	12	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Malathion	n/a	=	0.054	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRPD
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Metolachlor	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Metribuzin	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Molinate	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/28/2016 8:00:00 AM	Pentachlorophenol	n/a	=	1	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/19/2016 1:44:00 PM	Pentachlorophenol	n/a	DNQ	0.76	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/12/2016 7:30:00 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-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Prometon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.8	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Prometryn	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Simazine	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.4	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Terbacil	n/a	<	2.2	µg/L	EPA 525.2	2.2	8	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Thiobencarb	n/a	<	0.1	µg/L	EPA 525.2	0.1	0.8	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/19/2016 4:51:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	1/13/2016 4:25:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2015/16-2	Wet	1/6/2016 9:06:00 AM	2/5/2016 2:27:00 AM	Trithion	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	2/3/2016 4:00:00 PM	Fecal Coliform	n/a	=	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	1/31/2016 11:25:00 AM	Conductivity	n/a	=	277.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	=	0.0025	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	1/31/2016 11:25:00 AM	DO	n/a	=	12.75	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	1/31/2016 11:25:00 AM	DO	n/a	=	127.1	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	1/31/2016 11:25:00 AM	pH	n/a	=	7.44	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	1/31/2016 11:25:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	1/31/2016 11:25:00 AM	Specific Conductance	n/a	=	335	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	1/31/2016 11:25:00 AM	Temperature	n/a	=	14.7	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	2/3/2016 5:51:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	2/8/2016 11:40:00 AM	Oil and Grease	n/a	DNQ	3.2	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	2/2/2016 7:13:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2015/16-3	Wet	1/31/2016 11:25:00 AM	2/2/2016 7:13:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/6/2016 1:12:00 PM	Chloride	n/a	=	17	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/6/2016 1:12:00 PM	Fluoride	n/a	DNQ	0.088	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/6/2016 12:39:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 6:49:00 PM	Sulfate	Total	=	100	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:47:00 AM	Calcium	Total	=	74.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:47:00 AM	Magnesium	Total	=	13.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:47:00 AM	Potassium	Total	=	3.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:47:00 AM	Sodium	Total	=	23	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/10/2016 3:59:00 PM	Alkalinity as CaCO3	n/a	=	60	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	8	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	130	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	11	mg/L	SM 5310 C	2	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	4.8	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:47:00 AM	Hardness as CaCO3	Total	=	240	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.092	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/11/2016 10:58:00 AM	Phenolics	n/a	=	0.012	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/6/2016 10:46:00 AM	Specific Conductance	n/a	=	380	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	210	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/9/2016 3:38:00 PM	Total Organic Carbon	n/a	=	6.4	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	120	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 6:53:00 PM	Turbidity	n/a	=	16	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	40	mg/L	EPA 160.4	3.1	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-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/22/2016 10:39:00 PM	Diesel Range Organics	n/a	=	0.62	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/22/2016 10:39:00 PM	Oil Range Organics	n/a	=	0.93	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 10:52:00 AM	Aluminum	Dissolved	=	12	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:10:00 AM	Aluminum	Total	=	4200	µg/L	EPA 200.8	65	250	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Antimony	Dissolved	=	0.77	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Antimony	Total	=	2.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Arsenic	Total	=	4.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Barium	Total	=	91	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Beryllium	Total	=	0.16	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Cadmium	Total	=	0.88	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Chromium	Dissolved	=	0.85	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 3:23:00 PM	Chromium VI	n/a	=	0.69	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Copper	Dissolved	=	5.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Copper	Total	=	42	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 10:44:00 AM	Iron	Dissolved	=	26	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 11:47:00 AM	Iron	Total	=	7400	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Lead	Dissolved	=	0.25	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Lead	Total	=	27	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	11	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	33	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/10/2016 11:02:00 AM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/10/2016 11:27:00 AM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Selenium	Dissolved	=	2.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Selenium	Total	=	3.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Silver	Total	DNQ	0.15	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Thallium	Total	DNQ	0.074	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 12:22:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 1:38:00 PM	Zinc	Total	=	250	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.29	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/3/2016 3:42:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/9/2016 3:59:00 PM	Phosphorus as P	Dissolved	=	0.055	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/8/2016 2:47:00 PM	Phosphorus as P	Total	=	1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	3.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	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	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	3-4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	LB-LCSR
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.6	µg/L	EPA 525.2	1.1	3	WKL	



Appendix G  
Laboratory 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	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.62	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Diethyl phthalate	n/a	=	1.3	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/23/2016 10:36:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	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
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/2/2016 2:03:00 PM	Glyphosate	n/a	=	5.1	µg/L	EPA 547	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-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Malathion	n/a	=	0.01	µg/L	EPA 525.2m	0.0076	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/27/2016 3:11:00 AM	Pentachlorophenol	n/a	DNQ	0.83	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/24/2016 1:49:00 PM	Pentachlorophenol	n/a	DNQ	3.1	µg/L	EPA 8270C	1.5	10	WKL	HB-MSR
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/5/2016 3:39:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/12/2016 12:23:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	2/4/2016 3:08:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	EST-MSRPD
MO-SIM	2015/16-3	Wet	2/1/2016 10:15:00 AM	3/2/2016 8:30:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/25/2016 5:09:00 AM	Chloride	n/a	=	240	mg/L	EPA 300.0	10	50	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/24/2016 3:21:00 PM	Fluoride	n/a	=	0.3	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 6:43:00 PM	Perchlorate	n/a	=	2.6	µg/L	EPA 331	0.019	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/25/2016 5:09:00 AM	Sulfate	Total	=	1600	mg/L	EPA 300.0	10	50	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/24/2016 8:10:00 AM	E. Coli	n/a	=	63	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/27/2016 2:10:00 PM	Fecal Coliform	n/a	=	2300	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/24/2016 8:10:00 AM	Total Coliform	n/a	=	290900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/14/2016 5:16:00 PM	Calcium	Total	=	326	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/14/2016 5:16:00 PM	Magnesium	Total	=	155	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/14/2016 5:16:00 PM	Potassium	Total	=	7.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/14/2016 5:16:00 PM	Sodium	Total	=	320	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/24/2016 5:51:00 PM	Alkalinity as CaCO3	n/a	=	250	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/29/2016 6:00:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/6/2016 8:43:00 AM	COD	n/a	=	14	mg/L	EPA 410.4	0.73	5	WKL	UL-MB
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/23/2016 8:15:00 AM	Conductivity	n/a	=	3.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/6/2016 5:26:00 PM	Dissolved Inorganic Carbon	Dissolved	=	64	mg/L	SM 5310 C	20	20	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	4.1	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/23/2016 8:15:00 AM		n/a	=	106.1	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/23/2016 8:15:00 AM	DO	n/a	=	9.89	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/14/2016 5:16:00 PM	Hardness as CaCO3	Total	=	1450	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-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/24/2016 7:06:00 PM	MBAS	n/a	DNQ	0.044	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/23/2016 8:15:00 AM	pH	n/a	=	8.01	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/1/2016 9:05:00 AM	Phenolics	n/a	=	0.037	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/23/2016 8:15:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/23/2016 8:15:00 AM	Specific Conductance	n/a	=	3.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/28/2016 6:44:00 PM	Specific Conductance	n/a	=	3900	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/23/2016 8:15:00 AM	Temperature	n/a	=	18.8	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/28/2016 4:15:00 PM	Total Dissolved Solids	n/a	=	2800	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/28/2016 3:37:00 PM	Total Organic Carbon	n/a	=	4	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/24/2016 6:20:00 PM	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/23/2016 7:47:00 PM	Turbidity	n/a	=	0.67	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/24/2016 6:20:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/1/2016 9:34:00 PM	Diesel Range Organics	n/a	DNQ	0.04	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/28/2016 7:59:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 6:04:00 PM	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/1/2016 9:34:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Aluminum	Total	DNQ	2.1	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Antimony	Dissolved	DNQ	0.25	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Antimony	Total	DNQ	0.37	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Arsenic	Total	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Barium	Total	=	17	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Cadmium	Dissolved	DNQ	0.067	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Cadmium	Total	DNQ	0.075	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Chromium	Dissolved	=	0.96	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Chromium	Total	=	1.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/27/2016 11:55:00 AM	Chromium VI	n/a	=	1.1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Copper	Dissolved	=	2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Copper	Total	=	67	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/14/2016 4:46:00 PM	Iron	Dissolved	DNQ	5.8	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/14/2016 5:16:00 PM	Iron	Total	=	19	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Lead	Total	=	5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/28/2016 4:09:00 PM	Mercury	Dissolved	DNQ	20	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/28/2016 4:09:00 PM	Mercury	Total	DNQ	7	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Nickel	Total	=	2.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Selenium	Dissolved	=	19	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Selenium	Total	=	23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:06:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Thallium	Dissolved	DNQ	0.031	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 3:02:00 PM	Zinc	Dissolved	DNQ	2.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/5/2016 12:23:00 PM	Zinc	Total	DNQ	3.1	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	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/6/2016 5:02:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/27/2016 12:39:00 PM	Nitrate + Nitrite as N	n/a	=	6.4	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/8/2016 6:17:00 PM	Phosphorus as P	Dissolved	DNQ	0.0049	mg/L	EPA 365.1	0.0014	0.01	WKL	UL-MB
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/8/2016 7:04:00 PM	Phosphorus as P	Total	=	0.01	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/29/2016 2:29:00 PM	TKN	n/a	=	0.66	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/25/2016 8:34:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	LB-LCSR
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	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	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Diethyl phthalate	n/a	DNQ	0.58	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/25/2016 8:34:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 12:05:00 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	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	Dalapon	n/a	DNQ	0.36	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	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-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/28/2016 5:09:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	6/30/2016 10:39:00 PM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:14:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/2/2016 5:47:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/9/2016 12:22:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/7/2016 7:10:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2015/16-5	Dry	6/23/2016 8:15:00 AM	7/13/2016 10:25:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/17/2016 9:30:00 AM	E. Coli	n/a	=	75	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/17/2016 9:30:00 AM	Total Coliform	n/a	=	54750	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/23/2016 12:55:00 PM	Calcium	Total	=	254	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/23/2016 12:55:00 PM	Magnesium	Total	=	94.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	Conductivity	n/a	=	2701	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-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	Discharge	n/a	=	0.2	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	DO	n/a	=	12.49	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	DO	n/a	=	156.1	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/23/2016 12:55:00 PM	Hardness as CaCO3	Total	=	1020	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	pH	n/a	=	8.1	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	Salinity	n/a	=	1400	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	Specific Conductance	n/a	=	2638	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	Temperature	n/a	=	26.2	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	2.3	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/16/2016 2:10:00 PM	Turbidity	n/a	=	2.3	NTU	Field Meter	-88	0.01	Field Crew	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/25/2016 5:37:00 PM	Copper	Dissolved	=	0.62	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/25/2016 5:37:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2016-DRY	Dry	8/16/2016 2:10:00 PM	8/25/2016 5:37:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	5794	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/17/2015 9:00:00 AM	Fecal Coliform	n/a	=	350000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	344800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	Conductivity	n/a	=	20.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	DO	n/a	=	125.6	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	DO	n/a	=	10.25	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	pH	n/a	=	6.87	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	Specific Conductance	n/a	=	22.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	Temperature	n/a	=	22.8	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/16/2015 9:59:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/22/2015 2:50:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/22/2015 2:50:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 7:41:00 AM	Chloride	n/a	=	28	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 7:41:00 AM	Fluoride	n/a	=	0.57	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/15/2015 6:34:00 PM	Perchlorate	n/a	<	9.5	µg/L	EPA 314.0	9.5	20	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/22/2015 3:20:00 PM	Calcium	Total	=	53.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/22/2015 3:20:00 PM	Magnesium	Total	=	11.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	80	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	33	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	620	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/22/2015 3:20:00 PM	Hardness as CaCO3	Total	=	182	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	=	1.3	mg/L	SM 5540 C	0.095	0.25	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/30/2015 10:00:00 AM	Phenolics	n/a	=	0.15	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	460	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/17/2015 6:37:00 PM	Total Dissolved Solids	n/a	=	480	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/22/2015 11:48:00 AM	Total Organic Carbon	n/a	=	170	mg/L	SM 5310 C	0.9	30	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	300	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/16/2015 8:11:00 PM	Turbidity	n/a	=	51	NTU	EPA 180.1	0.048	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	93	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/28/2015 10:55:00 AM	Diesel Range Organics	n/a	=	5.4	mg/L	EPA 8015B	0.24	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 9:50:00 PM	Oil Range Organics	n/a	=	4.3	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Aluminum	Dissolved	=	110	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-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Aluminum	Total	=	5000	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Antimony	Dissolved	=	2.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Antimony	Total	=	4.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Arsenic	Dissolved	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Arsenic	Total	=	3.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Barium	Total	=	160	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Beryllium	Dissolved	DNQ	0.037	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Beryllium	Total	=	0.25	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Cadmium	Dissolved	=	0.42	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Cadmium	Total	=	1.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Chromium	Dissolved	=	2.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Chromium	Total	=	14	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/23/2015 11:47:00 AM	Chromium VI	n/a	=	0.33	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Copper	Dissolved	=	26	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Copper	Total	=	94	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/22/2015 2:46:00 PM	Iron	Dissolved	=	270	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/22/2015 3:20:00 PM	Iron	Total	=	8800	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Lead	Dissolved	=	2.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Lead	Total	=	38	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	DNQ	10	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	=	63	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Nickel	Dissolved	=	22	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Nickel	Total	=	33	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Selenium	Dissolved	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Selenium	Total	=	1.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Thallium	Total	DNQ	0.067	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 5:04:00 PM	Zinc	Dissolved	=	390	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/25/2015 1:52:00 PM	Zinc	Total	=	680	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/24/2015 1:40:00 PM	Ammonia as N	n/a	=	2.8	mg/L	EPA 350.1	0.24	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 11:46:00 AM	Nitrate + Nitrite as N	n/a	=	3.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/5/2015 7:29:00 PM	Phosphorus as P	Dissolved	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 7:04:00 PM	Phosphorus as P	Total	=	2.3	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	11	mg/L	EPA 351.2	0.25	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	1,2,4-Trichlorobenzene	n/a	<	1.1	µg/L	EPA 625	1.1	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	1,2-Dichlorobenzene	n/a	<	1.1	µg/L	EPA 625	1.1	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	1,2-Diphenylhydrazine	n/a	<	0.5	µg/L	EPA 625	0.5	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	1,3-Dichlorobenzene	n/a	<	1.1	µg/L	EPA 625	1.1	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	1,4-Dichlorobenzene	n/a	<	1.1	µg/L	EPA 625	1.1	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625	0.44	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625	0.52	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625	0.6	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	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2,4-Dinitrophenol	n/a	<	3.2	µg/L	EPA 625	3.2	20	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625	0.36	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625	0.54	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625	0.9	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625	0.56	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625	0.52	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	3-/4-Methylphenol	n/a	DNQ	0.77	µg/L	EPA 8270C	0.3	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625	0.72	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625	0.46	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625	0.82	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	4-Nitrophenol	n/a	<	0.9	µg/L	EPA 625	0.9	10	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625	0.76	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Acenaphthylene	n/a	<	0.8	µg/L	EPA 625	0.8	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Anthracene	n/a	<	0.68	µg/L	EPA 625	0.68	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625	0.38	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Benzidine	n/a	<	7.3	µg/L	EPA 625	7.3	20	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Benzo(a)pyrene	n/a	<	0.26	µg/L	EPA 625	0.26	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Benzo(b)fluoranthene	n/a	<	0.28	µg/L	EPA 625	0.28	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 625	0.2	4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625	0.44	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625	0.5	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625	0.54	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625	0.76	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	3.5	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625	4.6	10	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Butyl benzyl phthalate	n/a	DNQ	1	µg/L	EPA 625	0.36	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625	0.38	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	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Dibenz(a,h)anthracene	n/a	<	0.16	µg/L	EPA 625	0.16	4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Diethyl phthalate	n/a	=	4.3	µg/L	EPA 625	0.3	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Dimethyl phthalate	n/a	DNQ	0.44	µg/L	EPA 625	0.36	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Di-n-butylphthalate	n/a	DNQ	0.56	µg/L	EPA 625	0.48	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Di-n-octylphthalate	n/a	<	0.38	µg/L	EPA 625	0.38	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Fluoranthene	n/a	<	0.44	µg/L	EPA 625	0.44	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625	0.7	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625	0.98	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625	0.94	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Hexachlorocyclopentadiene	n/a	<	2.9	µg/L	EPA 625	2.9	10	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625	1	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.24	µg/L	EPA 625	0.24	4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625	0.42	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625	0.98	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625	0.72	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	N-Nitrosodimethylamine	n/a	<	0.28	µg/L	EPA 625	0.28	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625	0.52	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625	0.38	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625	0.64	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	Phenol	n/a	DNQ	0.75	µg/L	EPA 8270C	0.35	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625	0.32	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 10:08:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625	0.5	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	

Appendix G  
Laboratory 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	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Chlorpyrifos	n/a	=	0.023	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Diazinon	n/a	=	0.019	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/20/2015 5:17:00 PM	Glyphosate	n/a	=	140	µg/L	EPA 547	18	50	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Malathion	n/a	=	0.055	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-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 8:30:00 AM	Pentachlorophenol	n/a	<	0.38	µg/L	EPA 625	0.38	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/8/2015 12:26:00 AM	Pentachlorophenol	n/a	DNQ	0.95	µg/L	EPA 8270C	0.15	1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	Pentachlorophenol	n/a	=	0.65	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/18/2015 10:11:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0087	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/29/2015 8:45:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	10/1/2015 6:59:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2015/16-1	Wet	9/15/2015 3:23:00 AM	9/26/2015 12:55:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	3010	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/8/2016 8:10:00 PM	Fecal Coliform	n/a	=	3000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	20100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/5/2016 8:10:00 AM	Conductivity	n/a	=	2.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	=	0.0045	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/5/2016 8:10:00 AM	DO	n/a	=	88.8	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/5/2016 8:10:00 AM	DO	n/a	=	9.54	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/5/2016 8:10:00 AM	pH	n/a	=	7.01	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/5/2016 8:10:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/5/2016 8:10:00 AM	Specific Conductance	n/a	=	10.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/5/2016 8:10:00 AM	Temperature	n/a	=	12	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/8/2016 1:19:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	=	14	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/12/2016 4:24:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 8:10:00 AM	1/12/2016 4:24:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 7:37:00 PM	Chloride	n/a	=	2.6	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 7:37:00 PM	Fluoride	n/a	DNQ	0.088	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/8/2016 5:21:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 7:37:00 PM	Sulfate	Total	=	8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 12:16:00 PM	Calcium	Total	=	14.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 12:16:00 PM	Magnesium	Total	=	4.26	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 12:16:00 PM	Potassium	Total	=	4.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 12:16:00 PM	Sodium	Total	=	3.8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	21	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-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 6:40:00 PM	BOD	n/a	=	9.7	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/8/2016 10:45:00 AM	COD	n/a	=	130	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	8.1	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	5.5	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 12:16:00 PM	Hardness as CaCO3	Total	=	53.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/7/2016 1:10:00 AM	MBAS	n/a	=	0.21	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/14/2016 10:04:00 AM	Phenolics	n/a	=	0.096	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/9/2016 9:21:00 AM	Specific Conductance	n/a	=	74	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/8/2016 4:45:00 PM	Total Dissolved Solids	n/a	=	52	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/7/2016 11:31:00 AM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/7/2016 4:50:00 PM	Total Suspended Solids	n/a	=	190	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/6/2016 11:16:00 PM	Turbidity	n/a	=	54	NTU	EPA 180.1	0.048	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/7/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	55	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/20/2016 9:47:00 PM	Diesel Range Organics	n/a	=	1.3	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/20/2016 9:47:00 PM	Oil Range Organics	n/a	=	2.5	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/18/2016 11:44:00 AM	Aluminum	Dissolved	=	38	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/18/2016 12:02:00 PM	Aluminum	Total	=	5400	µg/L	EPA 200.8	13	50	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Antimony	Dissolved	=	0.62	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Antimony	Total	=	2.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Arsenic	Dissolved	=	0.61	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Barium	Total	=	130	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Beryllium	Total	=	0.22	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Cadmium	Dissolved	DNQ	0.064	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Cadmium	Total	=	0.72	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 11:30:00 AM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Copper	Dissolved	=	8.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Copper	Total	=	39	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 11:18:00 AM	Iron	Dissolved	=	71	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/11/2016 12:16:00 PM	Iron	Total	=	8200	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Lead	Dissolved	=	0.95	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Lead	Total	=	33	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/14/2016 3:53:00 PM	Mercury	Dissolved	DNQ	32	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/14/2016 3:53:00 PM	Mercury	Total	=	68	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Nickel	Dissolved	=	1.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Selenium	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Selenium	Total	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Silver	Total	DNQ	0.15	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Thallium	Total	DNQ	0.076	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 2:20:00 AM	Zinc	Dissolved	=	31	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 3:47:00 AM	Zinc	Total	=	270	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/26/2016 7:53:00 PM	Ammonia as N	n/a	=	0.64	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-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/6/2016 12:10:00 PM	Nitrate + Nitrite as N	n/a	=	0.61	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/20/2016 2:53:00 PM	Phosphorus as P	Dissolved	=	0.13	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/14/2016 4:03:00 PM	Phosphorus as P	Total	=	0.87	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 11:26:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/19/2016 11:47:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/19/2016 11:47:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/19/2016 11:47:00 AM	2-Methylphenol	n/a	=	1.2	µg/L	EPA 8270C	0.34	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/19/2016 11:47:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/19/2016 11:47:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/19/2016 11:47:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/19/2016 11:47:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Benzenidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	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	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/18/2016 9:24:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 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-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Chlorpyrifos	n/a	=	0.01	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	DCPA (Daacthal)	n/a	DNQ	0.076	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	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-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRPD
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/10/2016 1:51:00 PM	Glyphosate	n/a	=	8.4	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Malathion	n/a	=	0.02	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRPD
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/19/2016 8:13:00 PM	Pentachlorophenol	n/a	DNQ	6.2	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/19/2016 11:47:00 AM	Pentachlorophenol	n/a	=	1.5	µg/L	EPA 8270C	0.15	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	Pentachlorophenol	n/a	=	0.41	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/12/2016 1:11:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/22/2016 10:09:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	1/13/2016 2:17:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2015/16-2	Wet	1/5/2016 12:28:00 PM	2/3/2016 8:35:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	2/3/2016 4:00:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	1/31/2016 9:39:00 AM	Conductivity	n/a	=	4.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	1/31/2016 9:39:00 AM	DO	n/a	=	10.67	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	1/31/2016 9:39:00 AM	DO	n/a	=	101.2	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	1/31/2016 9:39:00 AM	pH	n/a	=	6.89	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-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	1/31/2016 9:39:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	1/31/2016 9:39:00 AM	Specific Conductance	n/a	=	6.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	1/31/2016 9:39:00 AM	Temperature	n/a	=	13.6	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	2/3/2016 2:28:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	2/8/2016 11:40:00 AM	Oil and Grease	n/a	=	6.1	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	2/2/2016 6:17:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2015/16-3	Wet	1/31/2016 9:39:00 AM	2/2/2016 6:17:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/6/2016 12:43:00 PM	Chloride	n/a	=	3.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/6/2016 12:43:00 PM	Fluoride	n/a	DNQ	0.035	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/6/2016 12:00:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/6/2016 12:43:00 PM	Sulfate	Total	=	7.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 11:43:00 AM	Calcium	Total	=	11.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 11:43:00 AM	Magnesium	Total	=	2.54	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 11:43:00 AM	Potassium	Total	=	2.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 11:43:00 AM	Sodium	Total	=	4	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/11/2016 12:37:00 PM	Alkalinity as CaCO3	n/a	=	20	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	89	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4	mg/L	SM 5310 C	2	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	5.7	mg/L	SM 5310 C	0.026	0.6	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 11:43:00 AM	Hardness as CaCO3	Total	=	38.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.11	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/11/2016 10:49:00 AM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	72	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	38	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	10	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	130	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/2/2016 5:05:00 PM	Turbidity	n/a	=	26	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	46	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/22/2016 9:26:00 PM	Diesel Range Organics	n/a	=	1.3	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/22/2016 9:26:00 PM	Oil Range Organics	n/a	=	2.1	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 10:49:00 AM	Aluminum	Dissolved	=	26	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 11:07:00 AM	Aluminum	Total	=	2100	µg/L	EPA 200.8	26	100	WKL	HB-MSR
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Antimony	Dissolved	=	0.64	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Arsenic	Dissolved	=	0.81	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Arsenic	Total	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Barium	Total	=	52	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Beryllium	Total	DNQ	0.08	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Cadmium	Dissolved	DNQ	0.054	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Cadmium	Total	=	0.31	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Chromium	Total	=	6.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/2/2016 2:58:00 PM	Chromium VI	n/a	=	1.1	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Copper	Dissolved	=	8.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 10:41:00 AM	Iron	Dissolved	=	44	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-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 11:43:00 AM	Iron	Total	=	3400	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Lead	Dissolved	=	0.58	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Lead	Total	=	12	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	16	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/10/2016 10:58:00 AM	Nickel	Dissolved	=	1.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/10/2016 11:24:00 AM	Nickel	Total	=	5.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Selenium	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Selenium	Total	DNQ	0.33	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Silver	Total	DNQ	0.075	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Thallium	Total	DNQ	0.033	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 12:10:00 PM	Zinc	Dissolved	=	30	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 1:27:00 PM	Zinc	Total	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/3/2016 3:38:00 PM	Nitrate + Nitrite as N	n/a	=	0.45	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/9/2016 3:56:00 PM	Phosphorus as P	Dissolved	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/8/2016 2:44:00 PM	Phosphorus as P	Total	=	0.42	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 8:25:00 AM	2-Methylphenol	n/a	DNQ	0.6	µg/L	EPA 8270C	0.34	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	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
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	LB-LCSR
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Benzo(g,h,i)perylene	n/a	DNQ	0.21	µg/L	EPA 625	0.1	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.4	µg/L	EPA 625	2.3	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	4.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.68	µg/L	EPA 625	0.18	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Dibenz(a,h)anthracene	n/a	DNQ	0.27	µg/L	EPA 625	0.08	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Diethyl phthalate	n/a	=	2.4	µg/L	EPA 625	0.15	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	DNQ	0.54	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-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/23/2016 9:26:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	4,4'-DDO	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Chlorpyrifos	n/a	DNQ	0.0096	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	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-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	DCPA (Dacthal)	n/a	DNQ	0.076	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/2/2016 1:42:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Malathion	n/a	=	0.012	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	Pentachlorophenol	n/a	=	0.64	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/24/2016 12:51:00 PM	Pentachlorophenol	n/a	=	1.9	µg/L	EPA 8270C	0.15	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/27/2016 2:11:00 AM	Pentachlorophenol	n/a	=	1.5	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/5/2016 2:29:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 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-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/12/2016 11:21:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	2/4/2016 2:17:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2015/16-3	Wet	2/1/2016 8:25:00 AM	3/2/2016 7:38:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/18/2015 9:00:00 AM	Fecal Coliform	n/a	=	50000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/15/2015 6:18:00 AM	Conductivity	n/a	=	330.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	=	0.0053	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/15/2015 6:18:00 AM	DO	n/a	=	6.69	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/15/2015 6:18:00 AM	DO	n/a	=	77.9	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/15/2015 6:18:00 AM	pH	n/a	=	8.04	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/15/2015 6:18:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/15/2015 6:18:00 AM	Specific Conductance	n/a	=	347.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/15/2015 6:18:00 AM	Temperature	n/a	=	22.6	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/17/2015 1:03:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/22/2015 4:57:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:18:00 AM	9/22/2015 4:57:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 3:55:00 PM	Chloride	n/a	=	130	mg/L	EPA 300.0	1	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 8:45:00 AM	Fluoride	n/a	=	0.23	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/16/2015 5:43:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/22/2015 3:30:00 PM	Calcium	Total	=	102	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/22/2015 3:30:00 PM	Magnesium	Total	=	67.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/17/2015 2:25:00 PM	Alkalinity as CaCO3	n/a	=	160	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	21	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	260	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/22/2015 3:30:00 PM	Hardness as CaCO3	Total	=	532	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	DNQ	0.084	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/30/2015 10:04:00 AM	Phenolics	n/a	=	0.047	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/17/2015 6:37:00 PM	Total Dissolved Solids	n/a	=	660	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/23/2015 10:24:00 AM	Total Organic Carbon	n/a	=	31	mg/L	SM 5310 C	0.09	3	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	1000	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/16/2015 8:40:00 PM	Turbidity	n/a	=	51	NTU	EPA 180.1	0.048	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	180	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:05:00 AM	Diesel Range Organics	n/a	=	0.39	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:05:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Aluminum	Dissolved	=	8.9	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 5:13:00 PM	Aluminum	Total	=	18000	µg/L	EPA 200.8	2.6	10	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Antimony	Dissolved	=	0.71	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Antimony	Total	=	0.68	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Arsenic	Dissolved	=	2.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Arsenic	Total	=	7.6	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-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Barium	Total	=	120	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 5:13:00 PM	Beryllium	Total	=	0.56	µg/L	EPA 200.8	0.066	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Cadmium	Total	=	1.5	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Chromium	Dissolved	=	0.27	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Chromium	Total	=	48	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/23/2015 5:03:00 PM	Chromium VI	n/a	=	0.072	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Copper	Dissolved	=	3.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Copper	Total	=	47	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/22/2015 2:56:00 PM	Iron	Dissolved	=	82	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/22/2015 3:30:00 PM	Iron	Total	=	28000	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Lead	Dissolved	DNQ	0.093	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Lead	Total	=	13	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	=	65	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Nickel	Dissolved	=	4.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Nickel	Total	=	48	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Selenium	Dissolved	=	1.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Selenium	Total	=	3.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Silver	Total	DNQ	0.096	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Thallium	Total	=	0.24	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:49:00 PM	Zinc	Dissolved	=	5.5	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/25/2015 2:53:00 PM	Zinc	Total	=	170	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	0.45	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 11:55:00 AM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/5/2015 7:24:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 7:10:00 PM	Phosphorus as P	Total	=	1.4	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	5.2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2,6-Dinitrotoluene	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
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Benzo(b)anthracene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.27	µg/L	EPA 525.2	0.1	5	WKL	LB-MSR
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.7	µg/L	EPA 525.2	1.1	3	WKL	LB-MSR
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.36	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Diethyl phthalate	n/a	=	4.5	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Dimethyl phthalate	n/a	=	4.1	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-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 12:24:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	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-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Disulfoton	n/a	DNQ	0.08	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Fensulfothion	n/a	DNQ	0.0086	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/20/2015 2:19:00 PM	Glyphosate	n/a	=	33	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Malathion	n/a	=	0.19	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	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-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 10:30:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/8/2015 2:23:00 AM	Pentachlorophenol	n/a	DNQ	0.5	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/18/2015 12:29:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/29/2015 9:16:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	10/1/2015 8:56:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2015/16-1	Wet	9/15/2015 6:30:00 AM	9/26/2015 2:39:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	5830	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/8/2016 12:50:00 PM	Fecal Coliform	n/a	=	3000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	57940	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/5/2016 11:15:00 AM	Conductivity	n/a	=	192.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	=	0.0086	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/5/2016 11:15:00 AM	DO	n/a	=	84.3	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/5/2016 11:15:00 AM	DO	n/a	=	8.95	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/5/2016 11:15:00 AM	pH	n/a	=	7.87	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/5/2016 11:15:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/5/2016 11:15:00 AM	Specific Conductance	n/a	=	252.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/5/2016 11:15:00 AM	Temperature	n/a	=	12.6	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/8/2016 3:22:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/12/2016 5:19:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	LB-MSR
MO-THO	2015/16-2	Wet	1/5/2016 11:15:00 AM	1/12/2016 5:19:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/8/2016 7:20:00 PM	Chloride	n/a	=	70	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 7:34:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/8/2016 8:27:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/8/2016 7:20:00 PM	Sulfate	Total	=	78	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 3:26:00 PM	Calcium	Total	=	36.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 3:26:00 PM	Magnesium	Total	=	22.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 3:26:00 PM	Potassium	Total	=	3.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 3:26:00 PM	Sodium	Total	=	48	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 3:49:00 PM	Alkalinity as CaCO3	n/a	=	80	mg/L	SM 2320 B	0.56	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 1:50:00 PM	BOD	n/a	=	9.4	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/8/2016 3:03:00 PM	COD	n/a	=	34	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	20	mg/L	SM 5310 C	2.5	2.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	5.4	mg/L	SM 5310 C	0.065	1.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 3:26:00 PM	Hardness as CaCO3	Total	=	185	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-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/8/2016 9:27:00 AM	MBAS	n/a	DNQ	0.035	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 10:17:00 AM	Phenolics	n/a	=	0.013	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 4:03:00 PM	Specific Conductance	n/a	=	550	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016	Total Dissolved Solids	n/a	=	300	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:46:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/11/2016 6:50:00 PM	Total Suspended Solids	n/a	=	30	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/6/2016 11:59:00 PM	Turbidity	n/a	=	33	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/11/2016 6:50:00 PM	Volatile Suspended Solids	n/a	=	13	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 2:49:00 AM	Diesel Range Organics	n/a	=	0.42	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 2:49:00 AM	Oil Range Organics	n/a	DNQ	0.44	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Aluminum	Dissolved	=	23	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Aluminum	Total	=	1200	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Antimony	Dissolved	=	0.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Antimony	Total	=	0.61	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Barium	Total	=	16	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Cadmium	Dissolved	DNQ	0.043	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Chromium	Dissolved	=	0.46	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Chromium	Total	=	3.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 3:24:00 PM	Chromium VI	n/a	=	0.25	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Copper	Dissolved	=	3.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Copper	Total	=	6.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 2:54:00 PM	Iron	Dissolved	=	72	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 3:26:00 PM	Iron	Total	=	1800	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Lead	Dissolved	DNQ	0.097	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Lead	Total	=	1.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/14/2016 3:22:00 PM	Mercury	Dissolved	DNQ	6	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/14/2016 3:22:00 PM	Mercury	Total	DNQ	16	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Nickel	Total	=	4.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Selenium	Dissolved	=	0.69	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Selenium	Total	=	0.86	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 12:55:00 PM	Zinc	Dissolved	=	7.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/18/2016 1:56:00 PM	Zinc	Total	=	20	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/21/2016 4:25:00 PM	Ammonia as N	n/a	=	0.14	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/7/2016 1:09:00 PM	Nitrate + Nitrite as N	n/a	=	0.79	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/20/2016 2:55:00 PM	Phosphorus as P	Dissolved	=	0.23	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/14/2016 4:22:00 PM	Phosphorus as P	Total	=	0.34	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 11:26:00 PM	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	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	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 2:13:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 2:13:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 2:13:00 PM	2-Methylphenol	n/a	DNQ	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 2:13:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 2:13:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 2:13:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Benzo(a)pyrene	n/a	<	0.28	µg/L	EPA 525.2	0.28	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 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-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.42	µg/L	EPA 525.2	0.42	20	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.2	µg/L	EPA 525.2	4.2	12	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	6	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Diethyl phthalate	n/a	=	3.6	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Dimethyl phthalate	n/a	=	8.8	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 1:27:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608	0.1	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608	0.3	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608	0.14	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608	0.12	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608	0.08	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608	0.08	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	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608	0.006	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608	0.005	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Alachlor	n/a	<	0.088	µg/L	EPA 525.2	0.088	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608	0.0036	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608	0.0082	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Atrazine	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608	0.0062	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Bromacil	n/a	<	0.15	µg/L	EPA 525.2	0.15	4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Butachlor	n/a	<	0.068	µg/L	EPA 525.2	0.068	0.8	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Captan	n/a	<	3.4	µg/L	EPA 525.2	3.4	4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608	0.16	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Chlorpropham	n/a	<	0.04	µg/L	EPA 525.2	0.04	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRPD
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Cyanazine	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608	0.005	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Diazinon	n/a	<	0.38	µg/L	EPA 525.2	0.38	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Dimethoate	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.8	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Diphenamid	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Disulfoton	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRPD
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.04	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608	0.016	0.1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608	0.0056	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608	0.006	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-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	EPTC	n/a	<	0.068	µg/L	EPA 525.2	0.068	4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRDP
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608	0.0042	0.04	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608	0.0088	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 4:35:00 PM	Glyphosate	n/a	=	8.8	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608	0.0034	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608	0.0038	0.02	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Malathion	n/a	=	0.034	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRDP
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608	0.011	0.04	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Metolachlor	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Metribuzin	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Molinate	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/28/2016 8:30:00 AM	Pentachlorophenol	n/a	DNQ	0.86	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/19/2016 2:13:00 PM	Pentachlorophenol	n/a	DNQ	0.58	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/12/2016 8:39:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Prometon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.8	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Prometryn	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Simazine	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.4	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Terbacil	n/a	<	2.2	µg/L	EPA 525.2	2.2	8	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Thiobencarb	n/a	<	0.1	µg/L	EPA 525.2	0.1	0.8	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRDP
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/19/2016 5:21:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608	0.24	1	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	1/13/2016 4:51:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2015/16-2	Wet	1/6/2016 9:45:00 AM	2/5/2016 2:56:00 AM	Trithion	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	10462	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	2/3/2016 4:00:00 PM	Fecal Coliform	n/a	=	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	1986300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	1/31/2016 12:10:00 PM	Conductivity	n/a	=	14.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	2/13/2016 1:39:00 AM	Cyanide	Total	=	0.0049	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	1/31/2016 12:10:00 PM	DO	n/a	=	10.24	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	1/31/2016 12:10:00 PM	DO	n/a	=	96.1	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	1/31/2016 12:10:00 PM	pH	n/a	=	8.37	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	1/31/2016 12:10:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	1/31/2016 12:10:00 PM	Specific Conductance	n/a	=	21.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	1/31/2016 12:10:00 PM	Temperature	n/a	=	12.2	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	2/3/2016 6:51:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	2/8/2016 11:40:00 AM	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-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	2/2/2016 8:09:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2015/16-3	Wet	1/31/2016 12:10:00 PM	2/2/2016 8:09:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/6/2016 1:42:00 PM	Chloride	n/a	=	71	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/6/2016 1:42:00 PM	Fluoride	n/a	=	0.13	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/6/2016 1:17:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 7:05:00 PM	Sulfate	Total	=	110	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 11:51:00 AM	Calcium	Total	=	49	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 11:51:00 AM	Magnesium	Total	=	35.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 11:51:00 AM	Potassium	Total	=	3.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 11:51:00 AM	Sodium	Total	=	51	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/10/2016 3:59:00 PM	Alkalinity as CaCO3	n/a	=	120	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	9.5	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/3/2016 3:39:00 PM	COD	n/a	=	46	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	27	mg/L	SM 5310 C	2	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	5	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 11:51:00 AM	Hardness as CaCO3	Total	=	270	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/3/2016 10:58:00 AM	MBAS	n/a	=	0.11	mg/L	SM 5540 C	0.038	0.1	WKL	UL-MB
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/11/2016 11:00:00 AM	Phenolics	n/a	=	0.02	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/6/2016 10:46:00 AM	Specific Conductance	n/a	=	660	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	340	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/9/2016 3:38:00 PM	Total Organic Carbon	n/a	=	7.7	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/2/2016 6:53:00 PM	Total Suspended Solids	n/a	=	170	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/2/2016 6:30:00 PM	Turbidity	n/a	=	23	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	44	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/22/2016 11:52:00 PM	Diesel Range Organics	n/a	=	0.29	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/22/2016 11:52:00 PM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 11:29:00 AM	Aluminum	Dissolved	=	12	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 11:35:00 AM	Aluminum	Total	=	4500	µg/L	EPA 200.8	65	250	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Antimony	Dissolved	DNQ	0.45	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Antimony	Total	=	0.69	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Arsenic	Total	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Barium	Total	=	38	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Beryllium	Total	=	0.14	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Cadmium	Total	=	0.36	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Chromium	Dissolved	=	0.48	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Chromium	Total	=	14	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/2/2016 3:47:00 PM	Chromium VI	n/a	=	0.26	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Copper	Dissolved	=	3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 10:48:00 AM	Iron	Dissolved	=	34	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 11:51:00 AM	Iron	Total	=	6700	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Lead	Dissolved	DNQ	0.061	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Lead	Total	=	3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	10	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	24	ng/L	EPA 245.1	3.9	50	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-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Nickel	Dissolved	=	2.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Selenium	Dissolved	=	0.93	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Selenium	Total	=	1.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Silver	Total	DNQ	0.063	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Thallium	Total	DNQ	0.058	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:28:00 PM	Zinc	Dissolved	DNQ	3.7	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 3:51:00 PM	Zinc	Total	=	51	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	DNQ	0.054	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/3/2016 3:51:00 PM	Nitrate + Nitrite as N	n/a	=	0.39	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/9/2016 4:02:00 PM	Phosphorus as P	Dissolved	=	0.083	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/8/2016 3:01:00 PM	Phosphorus as P	Total	=	0.4	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	2-Methylphenol	n/a	DNQ	0.54	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 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-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Benzo(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Benzo(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	LB-LCSR
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	7.6	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.59	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Diethyl phthalate	n/a	=	3.1	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Dimethyl phthalate	n/a	=	9.1	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 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-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/23/2016 11:47:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 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-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/2/2016 2:25:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Malathion	n/a	=	0.025	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/27/2016 4:12:00 AM	Pentachlorophenol	n/a	DNQ	0.73	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/24/2016 2:47:00 PM	Pentachlorophenol	n/a	DNQ	0.39	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/5/2016 4:48:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 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-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/12/2016 1:24:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	2/4/2016 4:00:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2015/16-3	Wet	2/1/2016 11:00:00 AM	3/2/2016 9:23:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/25/2016 5:24:00 AM	Chloride	n/a	=	180	mg/L	EPA 300.0	10	50	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/24/2016 3:37:00 PM	Fluoride	n/a	=	0.38	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:55:00 PM	Perchlorate	n/a	=	0.28	µg/L	EPA 331	0.019	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/25/2016 5:24:00 AM	Sulfate	Total	=	150	mg/L	EPA 300.0	10	50	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/24/2016 8:10:00 AM	E. Coli	n/a	=	31	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/27/2016 2:10:00 PM	Fecal Coliform	n/a	=	33	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/24/2016 8:10:00 AM	Total Coliform	n/a	=	6131	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/14/2016 5:19:00 PM	Calcium	Total	=	45.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/14/2016 5:19:00 PM	Magnesium	Total	=	27	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/14/2016 5:19:00 PM	Potassium	Total	=	19	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/14/2016 5:19:00 PM	Sodium	Total	=	160	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/24/2016 5:51:00 PM	Alkalinity as CaCO3	n/a	=	120	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/29/2016 6:00:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/6/2016 8:43:00 PM	COD	n/a	=	19	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/23/2016 9:15:00 AM	Conductivity	n/a	=	1187	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016	Cyanide	Total	=	0.0038	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/6/2016 5:26:00 PM	Dissolved Inorganic Carbon	Dissolved	=	35	mg/L	SM 5310 C	20	20	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:48:00 PM	Dissolved Organic Carbon	Dissolved	=	6.3	mg/L	SM 5310 C	0.013	0.3	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/23/2016 9:15:00 AM	DO	n/a	=	64.7	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/23/2016 9:15:00 AM	DO	n/a	=	5.35	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/14/2016 5:19:00 PM	Hardness as CaCO3	Total	=	226	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/24/2016 7:06:00 PM	MBAS	n/a	DNQ	0.049	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/23/2016 9:15:00 AM	pH	n/a	=	7.85	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/1/2016 9:06:00 AM	Phenolics	n/a	=	0.034	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/23/2016 9:15:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/28/2016 6:44:00 PM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/23/2016 9:15:00 AM	Specific Conductance	n/a	=	1187	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/23/2016 9:15:00 AM	Temperature	n/a	=	25	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/28/2016 4:15:00 PM	Total Dissolved Solids	n/a	=	710	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/28/2016 3:37:00 PM	Total Organic Carbon	n/a	=	6.1	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/24/2016 6:20:00 PM	Total Suspended Solids	n/a	DNQ	2	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/23/2016 7:47:00 PM	Turbidity	n/a	=	0.57	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/24/2016 6:20:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/1/2016 10:09:00 PM	Diesel Range Organics	n/a	=	0.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/28/2016 8:29:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 6:04:00 PM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/1/2016 10:09:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Aluminum	Dissolved	DNQ	2.1	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Aluminum	Total	=	18	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Antimony	Total	DNQ	0.44	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Arsenic	Dissolved	=	4.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Arsenic	Total	=	4.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Barium	Total	=	9.1	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Beryllium	Dissolved	<	0.033	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-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Chromium	Dissolved	=	0.26	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Chromium	Total	=	0.39	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/27/2016 12:07:00 PM	Chromium VI	n/a	=	0.12	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Copper	Dissolved	=	2.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Copper	Total	=	2.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/14/2016 4:49:00 PM	Iron	Dissolved	=	64	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/14/2016 5:19:00 PM	Iron	Total	=	91	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Lead	Total	DNQ	0.088	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/28/2016 4:09:00 PM	Mercury	Dissolved	DNQ	7	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/28/2016 4:09:00 PM	Mercury	Total	DNQ	17	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Nickel	Dissolved	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Nickel	Total	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Selenium	Dissolved	DNQ	0.37	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Selenium	Total	DNQ	0.38	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:27:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 2:14:00 PM	Zinc	Dissolved	=	26	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/5/2016 12:41:00 PM	Zinc	Total	=	23	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/6/2016 5:02:00 PM	Ammonia as N	n/a	=	1.2	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/27/2016 12:32:00 PM	Nitrate + Nitrite as N	n/a	=	8.6	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/1/2016 10:43:00 AM	Phosphorus as P	Dissolved	=	3.2	mg/L	EPA 365.1	0.07	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/8/2016 7:11:00 PM	Phosphorus as P	Total	=	78	mg/L	EPA 365.1	0.87	6.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/29/2016 2:29:00 PM	TKN	n/a	=	0.72	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	2,4,6-Trichlorophenol	n/a	DNQ	0.36	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/25/2016 9:05:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	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-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	2-Methylphenol	n/a	DNQ	0.83	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.11	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.35	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Diethyl phthalate	n/a	=	3.7	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Dimethyl phthalate	n/a	=	10	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	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	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	EST-LCSRPD
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/25/2016 9:05:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 AM	Phenol	n/a	DNQ	0.95	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Phenol	n/a	DNQ	0.21	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 12:38:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 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-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	Dalapon	n/a	DNQ	0.31	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/28/2016 5:22:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 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-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 5:46:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	6/30/2016 11:08:00 PM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 8270C	0.15	1	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/2/2016 6:23:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/9/2016 12:52:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/7/2016 7:35:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL		
MO-THO	2015/16-5	Dry	6/23/2016 9:15:00 AM	7/13/2016 10:51:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/18/2016 9:00:00 AM	E. Coli	n/a	=	228	MPN/100 mL	MMO-MUG	10	10	VCHCA		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/18/2016 9:00:00 AM	Total Coliform	n/a	=	48840	MPN/100 mL	MMO-MUG	100	100	VCHCA		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/23/2016 1:03:00 PM	Calcium	Total	=	96.5	mg/L	EPA 200.7	0.016	0.1	WKL		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/23/2016 1:03:00 PM	Magnesium	Total	=	116	mg/L	EPA 200.7	0.012	0.1	WKL		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	Conductivity	n/a	=	1995	µmhos/cm	Field Meter	-88	1	Field Crew	EST	
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	Discharge	n/a	=	0.2	cfs	Field Estimate	-88	-88	Field Crew		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	DO	n/a	=	11.09	mg/L	Field Meter	-88	0.3	Field Crew		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	DO	n/a	=	132.5	%	Field Meter	-88	0.1	Field Crew		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/23/2016 1:03:00 PM	Hardness as CaCO3	Total	=	720	mg/L	EPA 200.7	0.0894	0.662	WKL		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	pH	n/a	=	8.3	pH Units	Field Meter	-88	0.01	Field Crew		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	Salinity	n/a	=	1000	mg/L	Field Meter	-88	100	Field Crew		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	Specific Conductance	n/a	=	2034	µmhos/cm	Field Meter	-88	1	Field Crew		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	Temperature	n/a	=	24	°C	Field Meter	-88	0.1	Field Crew		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/22/2016 3:31:00 PM	Total Organic Carbon	n/a	=	2.9	mg/L	SM 5310 C	0.009	0.3	WKL		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/17/2016 1:40:00 PM	Turbidity	n/a	=	1.2	NTU	Field Meter	-88	0.01	Field Crew		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/25/2016 5:41:00 PM	Copper	Dissolved	=	0.61	µg/L	EPA 200.8	0.13	0.5	WKL		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/25/2016 5:41:00 PM	Lead	Dissolved	DNQ	0.041	µg/L	EPA 200.8	0.031	0.2	WKL		
MO-THO	2016-DRY	Dry	8/17/2016 1:40:00 PM	8/25/2016 5:41:00 PM	Zinc	Dissolved	DNQ	1	µg/L	EPA 200.8	0.94	5	WKL		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/16/2015 3:30:00 AM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/18/2015 9:00:00 AM	Fecal Coliform	n/a	=	170000	MPN/100 mL	SM 9221 E	2	2	VCHCA		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/16/2015 3:30:00 AM	Total Coliform	n/a	=	435200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	Conductivity	n/a	=	147.9	µmhos/cm	Field Meter	-88	1	Field Crew		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/23/2015 6:50:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	DO	n/a	=	88.1	%	Field Meter	-88	0.1	Field Crew		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	DO	n/a	=	7.57	mg/L	Field Meter	-88	0.3	Field Crew		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	pH	n/a	=	7.28	pH Units	Field Meter	-88	0.01	Field Crew		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	Specific Conductance	n/a	=	154.5	µmhos/cm	Field Meter	-88	1	Field Crew		
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/15/2015 3:10:00 AM	Temperature	n/a	=	22.9	°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-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/16/2015 8:58:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/18/2015 4:52:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/22/2015 1:46:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:10:00 AM	9/22/2015 1:46:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 7:25:00 AM	Chloride	n/a	=	9.2	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 7:25:00 AM	Fluoride	n/a	=	0.13	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/16/2015 1:45:00 PM	Perchlorate	n/a	=	3.7	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/22/2015 3:17:00 PM	Calcium	Total	=	20.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/22/2015 3:17:00 PM	Magnesium	Total	=	6.47	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/22/2015 4:08:00 PM	Alkalinity as CaCO3	n/a	=	28	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/21/2015 11:45:00 AM	BOD	n/a	=	15	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/17/2015 5:47:00 PM	COD	n/a	=	240	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/22/2015 3:17:00 PM	Hardness as CaCO3	Total	=	77.9	mg/L	EPA 200.7	0.0894	0.662	WKL	HT
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/16/2015 7:39:00 PM	MBAS	n/a	=	0.16	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/30/2015 9:59:00 AM	Phenolics	n/a	=	0.014	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 3:34:00 PM	Specific Conductance	n/a	=	130	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/17/2015 6:37:00 PM	Total Dissolved Solids	n/a	=	97	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/22/2015 11:48:00 AM	Total Organic Carbon	n/a	=	27	mg/L	SM 5310 C	0.09	3	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 11:41:00 AM	Total Suspended Solids	n/a	=	350	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/16/2015 8:11:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.024	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 11:41:00 AM	Volatile Suspended Solids	n/a	=	97	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 9:18:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 9:18:00 PM	Oil Range Organics	n/a	=	2.3	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Aluminum	Dissolved	=	30	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Aluminum	Total	=	6800	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Antimony	Dissolved	=	0.98	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Antimony	Total	=	2.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Arsenic	Total	=	4.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Barium	Total	=	120	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Beryllium	Total	=	0.29	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Cadmium	Dissolved	DNQ	0.077	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Cadmium	Total	=	0.72	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Chromium	Dissolved	=	0.75	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Chromium	Total	=	15	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/23/2015 10:56:00 AM	Chromium VI	n/a	=	0.39	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Copper	Dissolved	=	9.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Copper	Total	=	90	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/22/2015 2:43:00 PM	Iron	Dissolved	=	91	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/22/2015 3:17:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Lead	Dissolved	=	0.92	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Lead	Total	=	24	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/24/2015 4:41:00 PM	Mercury	Dissolved	DNQ	7	ng/L	EPA 245.1	3.9	50	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/24/2015 4:41:00 PM	Mercury	Total	=	53	ng/L	EPA 245.1	3.9	50	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Nickel	Dissolved	=	3.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Nickel	Total	=	20	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Selenium	Dissolved	DNQ	0.33	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	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Selenium	Total	=	0.76	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:44:00 PM	Silver	Total	DNQ	0.11	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Thallium	Total	DNQ	0.096	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 4:03:00 PM	Zinc	Dissolved	=	71	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/25/2015 1:44:00 PM	Zinc	Total	=	440	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/21/2015 6:29:00 PM	Ammonia as N	n/a	=	0.51	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 11:44:00 AM	Nitrate + Nitrite as N	n/a	=	0.96	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/5/2015 7:17:00 PM	Phosphorus as P	Dissolved	=	0.25	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 5:57:00 PM	Phosphorus as P	Total	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/23/2015 2:44:00 PM	TKN	n/a	=	3.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	LB-MSR
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 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
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Benzo(a)pyrene	n/a	=	0.15	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	EST-MSRPD
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.59	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	4	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.48	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Diethyl phthalate	n/a	DNQ	0.53	µg/L	EPA 625	0.15	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	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	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 9:34:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Chlorpyrifos	n/a	DNQ	0.0072	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Diazinon	n/a	=	0.049	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	

Appendix G  
Laboratory 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	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 3:30:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/20/2015 5:07:00 PM	Glyphosate	n/a	=	70	µg/L	EPA 547	18	50	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Malathion	n/a	=	0.35	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 8:01:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/7/2015 11:57:00 PM	Pentachlorophenol	n/a	DNQ	0.57	µg/L	EPA 8270C	0.15	1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/18/2015 9:37:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0039	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/29/2015 8:15:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	10/1/2015 6:29:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2015/16-1	Wet	9/15/2015 3:30:00 AM	9/26/2015 12:28:00 AM	Trithion	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
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 7:21:00 PM	Chloride	n/a	=	7.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 7:21:00 PM	Fluoride	n/a	DNQ	0.061	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/8/2016 5:02:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 7:21:00 PM	Sulfate	Total	=	15	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/6/2016 7:00:00 AM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/8/2016 12:50:00 PM	Fecal Coliform	n/a	=	46000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/6/2016 7:00:00 AM	Total Coliform	n/a	=	129970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 12:13:00 PM	Calcium	Total	=	14.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 12:13:00 PM	Magnesium	Total	=	4.32	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 12:13:00 PM	Potassium	Total	=	4.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 12:13:00 PM	Sodium	Total	=	7.7	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:30:00 PM	Alkalinity as CaCO3	n/a	=	18	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 4:48:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/8/2016 10:45:00 AM	COD	n/a	=	170	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/5/2016 7:45:00 AM	Conductivity	n/a	=	65.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 12:14:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/26/2016 3:20:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.3	mg/L	SM 5310 C	0.5	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	3/1/2016 10:42:00 AM	Dissolved Organic Carbon	Dissolved	=	5.3	mg/L	SM 5310 C	0.1	2.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/5/2016 7:45:00 AM	DO	n/a	=	96.6	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/5/2016 7:45:00 AM	DO	n/a	=	10.31	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 12:13:00 PM	Hardness as CaCO3	Total	=	53.9	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/7/2016 11:10:00 AM	MBAS	n/a	=	0.081	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/5/2016 7:45:00 AM	pH	n/a	=	6.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/14/2016 10:02:00 AM	Phenolics	n/a	DNQ	0.008	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/5/2016 7:45:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/9/2016 9:21:00 AM	Specific Conductance	n/a	=	100	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/5/2016 7:45:00 AM	Specific Conductance	n/a	=	86.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/5/2016 7:45:00 AM	Temperature	n/a	=	12.4	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/8/2016 4:45:00 PM	Total Dissolved Solids	n/a	=	72	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/7/2016 11:31:00 AM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/7/2016 4:50:00 PM	Total Suspended Solids	n/a	=	100	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/6/2016 11:16:00 PM	Turbidity	n/a	=	43	NTU	EPA 180.1	0.048	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/7/2016 4:50:00 PM	Volatile Suspended Solids	n/a	=	36	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/20/2016 9:09:00 PM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/7/2016 11:16:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/20/2016 6:14:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/20/2016 9:09:00 PM	Oil Range Organics	n/a	=	1.5	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/18/2016 11:43:00 AM	Aluminum	Dissolved	=	51	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/18/2016 12:00:00 PM	Aluminum	Total	=	4500	µg/L	EPA 200.8	13	50	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Antimony	Dissolved	=	0.68	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Antimony	Total	=	2.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Arsenic	Dissolved	=	0.89	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Arsenic	Total	=	3.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Barium	Total	=	79	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Cadmium	Dissolved	DNQ	0.047	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Cadmium	Total	=	0.44	µg/L	EPA 200.8	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-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Chromium	Total	=	10	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 11:18:00 AM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Copper	Dissolved	=	11	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Copper	Total	=	50	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 11:15:00 AM	Iron	Dissolved	=	100	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/11/2016 12:13:00 PM	Iron	Total	=	7000	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Lead	Dissolved	=	1.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Lead	Total	=	18	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/14/2016 3:53:00 PM	Mercury	Dissolved	DNQ	33	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/14/2016 3:53:00 PM	Mercury	Total	DNQ	43	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Selenium	Dissolved	DNQ	0.31	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Selenium	Total	=	0.46	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Silver	Total	DNQ	0.12	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Thallium	Total	DNQ	0.068	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 2:13:00 AM	Zinc	Dissolved	=	40	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 3:40:00 AM	Zinc	Total	=	280	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/26/2016 7:53:00 PM	Ammonia as N	n/a	=	0.99	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/6/2016 12:08:00 PM	Nitrate + Nitrite as N	n/a	=	0.65	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/20/2016 2:52:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/14/2016 4:02:00 PM	Phosphorus as P	Total	=	1.2	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 11:26:00 PM	TKN	n/a	=	3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/19/2016 11:18:00 AM	2,4-Dinitrophenol	n/a	DNQ	1.2	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/8/2016 4:33:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	2-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
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/19/2016 11:18:00 AM	2-Methylphenol	n/a	DNQ	0.85	µg/L	EPA 8270C	0.34	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/19/2016 11:18:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/19/2016 11:18:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/19/2016 11:18:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/19/2016 11:18:00 AM	4-Chloro-3-methylphenol	n/a	DNQ	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.27	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Diethyl phthalate	n/a	DNQ	0.16	µg/L	EPA 625	0.15	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Fluoranthene	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	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/8/2016 4:33:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/18/2016 8:49:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	EST-LCSRPD
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	EST-LCSRPD
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	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	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	EST-LCSRDP
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	DCPA (Daactal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	LB-LCSR
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	EST-LCSRDP
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	EST-LCSRDP
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/10/2016 1:40:00 PM	Glyphosate	n/a	=	15	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Malathion	n/a	=	0.05	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	EST-LCSRDP
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	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	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/19/2016 7:43:00 AM	Pentachlorophenol	n/a	DNQ	0.67	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/19/2016 11:18:00 AM	Pentachlorophenol	n/a	DNQ	0.7	µg/L	EPA 8270C	0.15	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/12/2016 12:36:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Toxuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	EST-LCSRPD
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/22/2016 9:38:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	1/13/2016 1:51:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2015/16-2	Wet	1/5/2016 7:45:00 AM	2/3/2016 8:07:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	2/1/2016 12:00:00 PM	E. Coli	n/a	=	4352	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	2/3/2016 4:10:00 PM	Fecal Coliform	n/a	>	16000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	2/1/2016 12:00:00 PM	Total Coliform	n/a	=	104620	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	1/31/2016 9:30:00 AM	Conductivity	n/a	=	94.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	2/13/2016 1:39:00 AM	Cyanide	Total	=	0.0027	mg/L	ASTM D7511	0.0005	0.002	WKL	UL-MB
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	1/31/2016 9:30:00 AM	DO	n/a	=	9.84	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	1/31/2016 9:30:00 AM	DO	n/a	=	95.3	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	1/31/2016 9:30:00 AM	pH	n/a	=	7.85	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	1/31/2016 9:30:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	1/31/2016 9:30:00 AM	Specific Conductance	n/a	=	119.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	1/31/2016 9:30:00 AM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	2/3/2016 12:56:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	2/8/2016 11:40:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	2/2/2016 4:53:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2015/16-3	Wet	1/31/2016 9:30:00 AM	2/2/2016 4:53:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/6/2016 12:29:00 PM	Chloride	n/a	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/6/2016 12:29:00 PM	Fluoride	n/a	DNQ	0.063	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/6/2016 11:40:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/6/2016 12:29:00 PM	Sulfate	Total	=	30	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 11:41:00 AM	Calcium	Total	=	14.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 11:41:00 AM	Magnesium	Total	=	4.37	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 11:41:00 AM	Potassium	Total	=	3.9	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 11:41:00 AM	Sodium	Total	=	15	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/11/2016 12:37:00 PM	Alkalinity as CaCO3	n/a	=	25	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/7/2016 2:05:00 PM	BOD	n/a	=	12	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/3/2016 3:42:00 PM	COD	n/a	=	94	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 4:05:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4.9	mg/L	SM 5310 C	2	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 10:18:00 AM	Dissolved Organic Carbon	Dissolved	=	6.6	mg/L	SM 5310 C	0.052	1.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 11:41:00 AM	Hardness as CaCO3	Total	=	54.5	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/2/2016 9:47:00 PM	MBAS	n/a	=	0.089	mg/L	SM 5540 C	0.019	0.05	WKL	UL-MB
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/11/2016 10:56:00 AM	Phenolics	n/a	=	0.069	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/6/2016 9:34:00 AM	Specific Conductance	n/a	=	170	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	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 9:00:00 PM	Total Dissolved Solids	n/a	=	86	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 8:26:00 AM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.045	1.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/2/2016 6:30:00 PM	Total Suspended Solids	n/a	=	120	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/2/2016 5:05:00 PM	Turbidity	n/a	=	21	NTU	EPA 180.1	0.024	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/2/2016 6:30:00 PM	Volatile Suspended Solids	n/a	=	40	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/22/2016 8:49:00 PM	Diesel Range Organics	n/a	=	1.6	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/22/2016 8:49:00 PM	Oil Range Organics	n/a	=	2.6	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 10:47:00 AM	Aluminum	Dissolved	=	30	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 11:06:00 AM	Aluminum	Total	=	1800	µg/L	EPA 200.8	26	100	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Antimony	Dissolved	=	0.75	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Arsenic	Total	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Barium	Total	=	40	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Beryllium	Total	DNQ	0.073	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Cadmium	Dissolved	DNQ	0.073	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Cadmium	Total	=	0.22	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Chromium	Dissolved	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Chromium	Total	=	4.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/2/2016 2:46:00 PM	Chromium VI	n/a	=	0.72	µg/L	EPA 218.6	0.0048	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Copper	Dissolved	=	8.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Copper	Total	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 10:39:00 AM	Iron	Dissolved	=	55	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 11:41:00 AM	Iron	Total	=	3000	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Lead	Dissolved	=	0.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Lead	Total	=	7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/11/2016 3:41:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/11/2016 3:41:00 PM	Mercury	Total	DNQ	28	ng/L	EPA 245.1	3.9	50	WKL	UL-MB
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/10/2016 10:56:00 AM	Nickel	Dissolved	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/10/2016 11:22:00 AM	Nickel	Total	=	6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Selenium	Dissolved	=	0.41	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Selenium	Total	=	0.57	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Silver	Total	DNQ	0.071	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Thallium	Dissolved	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Thallium	Total	DNQ	0.029	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 12:04:00 PM	Zinc	Dissolved	=	40	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:21:00 PM	Zinc	Total	=	140	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 5:46:00 PM	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/3/2016 3:36:00 PM	Nitrate + Nitrite as N	n/a	=	0.55	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/9/2016 3:55:00 PM	Phosphorus as P	Dissolved	=	0.14	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/8/2016 2:43:00 PM	Phosphorus as P	Total	=	0.4	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/9/2016 1:45:00 PM	TKN	n/a	=	1.6	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	1,2-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	1,2-Diphenylhydrazine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	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	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	1,4-Dichlorobenzene	n/a	<	2.8	µg/L	EPA 625	2.8	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2,4-Dinitrophenol	n/a	<	7.9	µg/L	EPA 625	7.9	50	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625	2.2	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	2-Methylphenol	n/a	DNQ	0.48	µg/L	EPA 8270C	0.34	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	3,3'-Dichlorobenzidine	n/a	<	6	µg/L	EPA 625	6	25	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	8.6	µg/L	EPA 625	8.6	25	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	4-Nitrophenol	n/a	<	2.2	µg/L	EPA 625	2.2	25	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Acenaphthylene	n/a	<	2	µg/L	EPA 625	2	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Anthracene	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Benzidine	n/a	<	18	µg/L	EPA 625	18	50	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Benzo(a)pyrene	n/a	<	0.65	µg/L	EPA 625	0.65	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Benzo(b)fluoranthene	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 625	0.5	10	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Benzo(k)fluoranthene	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	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625	1.4	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625	1.9	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	4.9	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625	12	25	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Butyl benzyl phthalate	n/a	DNQ	2.7	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Dibenz(a,h)anthracene	n/a	<	0.4	µg/L	EPA 625	0.4	10	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625	0.75	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625	0.9	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Di-n-butylphthalate	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Di-n-octylphthalate	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Fluoranthene	n/a	<	1.1	µg/L	EPA 625	1.1	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Hexachlorocyclopentadiene	n/a	<	7.3	µg/L	EPA 625	7.3	25	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Hexachloroethane	n/a	<	2.6	µg/L	EPA 625	2.6	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.6	µg/L	EPA 625	0.6	10	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625	1	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625	2.4	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625	1.8	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	N-Nitrosodimethylamine	n/a	<	0.7	µg/L	EPA 625	0.7	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625	1.3	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625	1.6	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625	0.8	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/23/2016 8:51:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	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	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 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	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/2/2016 1:32:00 PM	Glyphosate	n/a	=	17	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	EST-LCSRPD
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Malathion	n/a	=	0.029	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 1:40:00 AM	Pentachlorophenol	n/a	DNQ	3.6	µg/L	EPA 625	0.95	5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/24/2016 12:21:00 PM	Pentachlorophenol	n/a	DNQ	0.66	µg/L	EPA 8270C	0.15	1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/5/2016 1:55:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/12/2016 10:51:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/4/2016 1:51:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2015/16-3	Wet	2/1/2016 9:15:00 AM	2/27/2016 3:57:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	

## **Appendix H. RWQCB Permission of Toxicity Species Substitution**



# California Regional Water Quality Control Board

## Los Angeles Region



Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Linda S. Adams  
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013  
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger  
Governor

October 28, 2009

Ms. Norma Camacho, Director  
Ventura County Watershed Protection District  
800 South Victoria Ave., L#1600  
Ventura, CA 93009-1600

Certified Mail  
Return Receipt Requested  
Claim No. 7009 0820 0001 6811 7509

**SUBJECT: TOXICITY TEST SPECIES SUBSTITUTION, VENTURA COUNTY  
MUNICIPAL SEPARATE STORM SEWER SYSTEM DISCHARGE (MS4)  
PERMIT (BOARD ORDER No. 09-0057; NPDES No. CAS004002)**

Dear Ms. Camacho:

On October 14, 2009, the Regional Board staff received a request from the Ventura County Watershed Protection District (County) to substitute topmelt, *Atherinops affinis*, with the inland silverside, *Menidia beryllina*, due to the unavailability of topmelt from the supplier. After consultation with US EPA staff, Regional Board staff denied the request. On October 15, 2009, the Regional Board received an e-mail from the County, titled "Notification of toxicity exception - (species unavailable) Ventura County MS4 NPDES Permit Order No. 09-0057 (Monitoring Program)". The County's e-mail communication was submitted pursuant to requirements in subparts D.5 and D.8(b) of the Ventura County MS4 Permit's Monitoring Program (Monitoring Program), which requires an explanation of the circumstance with documentation when toxicity tests cannot be performed to comply with the requirements of this permit, and written authorization from the Regional Board Executive Officer to substitute test species.

In order to evaluate the appropriateness of substituting topmelt, *Atherinops affinis*, with the inland silverside, *Menidia beryllina*, in toxicity testing at mass emissions stations in the future, the Regional Board requires the County to conduct comparative static renewal toxicity tests on both species as follows. During the next storm event of this permit year (2009-10) and the first storm event of next permit year (2010-11), the County shall conduct toxicity tests on both topmelt, *Atherinops affinis*, and the inland silverside, *Menidia beryllina*, along with giant kelp, *Macrocystis pyrifera*, and the purple sea urchin, *Strongylocentrotus purpuratus*, pursuant to subpart D.8(a) of the Monitoring Program. The County shall submit the results of the comparative toxicity tests as part of its reporting requirements.

RECEIVED

NOV 5 2009

California Environmental Protection Agency



Ms. Norma Camacho, Director  
Ventura County Watershed Protection District

- 2 of 2 -

October 28, 2009

In the event that topsmelt, *Atherinops affinis*, is unavailable for testing during future sampling events conducted under the Monitoring Program, the County shall follow the protocol set forth in subpart D.5 of the Monitoring Program. The County shall notify the Regional Board by phone and e-mail as soon as possible if a test species is unavailable. Notification shall be sent directly to me as well as Tracy Woods, Stormwater Permitting Unit, with a copy to Renee Purdy, Chief, Regional Programs Section. The County shall submit to the Regional Board documentation of species unavailability from both the County's contract lab and the contract lab's supplier at least 48 hours prior to the planned sampling event to provide adequate time for my staff to evaluate any request for species substitution. Any approval or denial of a request for species substitution must be authorized pursuant to subpart D.8(b) of the Monitoring Program.

If you have any questions, please contact me at (213) 576-6605, or Renee Purdy at (213) 576-6783.

Sincerely,



Tracy J. Egoscue,  
Executive Officer

cc: Mr. Bruce Fujimoto, Division of Water Quality, State Water Resources Control Board  
Mr. Gerhardt Hubner, Ventura County Watershed Protection District  
Mr. Arne Anselm, Ventura County Watershed Protection District