

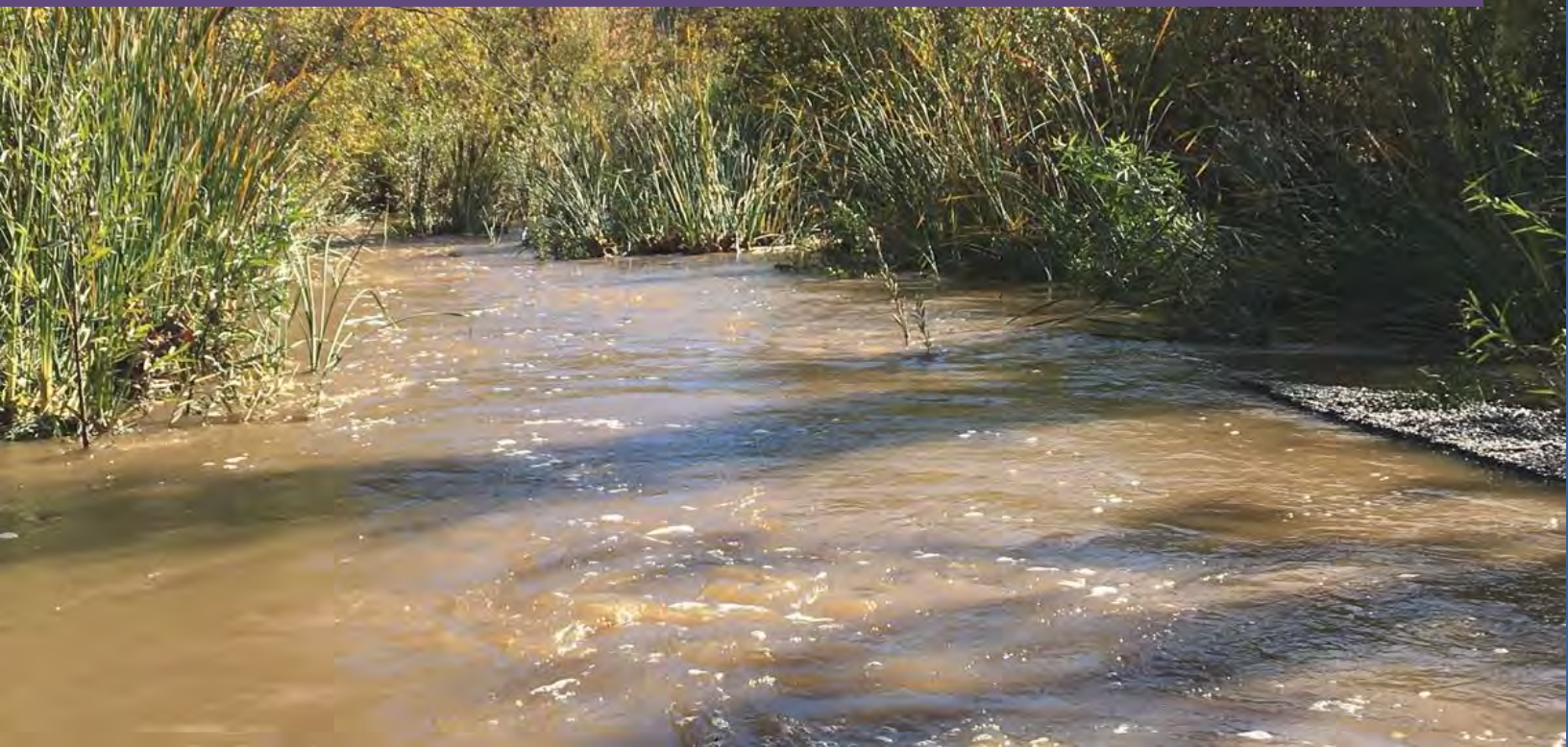


*Ventura Countywide  
Stormwater Quality  
Management Program*

2019-2020  
Permit Year

Ventura Countywide Stormwater Quality  
Management Program Annual Report

# Attachment D Monitoring Appendices F - G



December 15, 2020

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

## **Appendix F. Laboratory QA/QC Analysis Results**

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike	12/5/2019	Anion	Chloride	n/a	=	239	mg/L	EPA 300.0	0.85	5			
2019/20-1	000NONPJ	matrix spike, rec	12/5/2019	Anion	Chloride	n/a	=	103	%	EPA 300.0	-88	-88	76	118	
2019/20-1	000NONPJ	matrix spike dup	12/5/2019	Anion	Chloride	n/a	=	240	mg/L	EPA 300.0	0.85	5			
2019/20-1	000NONPJ	matrix spike dup, rec	12/5/2019	Anion	Chloride	n/a	=	104	%	EPA 300.0	-88	-88	76	118	
2019/20-1	000NONPJ	matrix spike, RPD	12/5/2019	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/5/2019	Anion	Chloride	n/a	=	227	mg/L	EPA 300.0	0.85	5			
2019/20-1	000NONPJ	matrix spike, rec	12/5/2019	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	76	118	
2019/20-1	000NONPJ	matrix spike dup	12/5/2019	Anion	Chloride	n/a	=	228	mg/L	EPA 300.0	0.85	5			
2019/20-1	000NONPJ	matrix spike dup, rec	12/5/2019	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	
2019/20-1	000NONPJ	matrix spike, RPD	12/5/2019	Anion	Chloride	n/a	=	0.7	%	EPA 300.0	-88	-88	0	20	
2019/20-1	Lab	method blank	12/4/2019	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-1	Lab	LCS	12/4/2019	Anion	Chloride	n/a	=	21	mg/L	EPA 300.0	0.085	0.5			
2019/20-1	Lab	LCS, rec	12/4/2019	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike	12/5/2019	Anion	Fluoride	n/a	=	20	mg/L	EPA 300.0	0.09	1			
2019/20-1	000NONPJ	matrix spike, rec	12/5/2019	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2019/20-1	000NONPJ	matrix spike dup	12/5/2019	Anion	Fluoride	n/a	=	20.2	mg/L	EPA 300.0	0.09	1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/5/2019	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2019/20-1	000NONPJ	matrix spike, RPD	12/5/2019	Anion	Fluoride	n/a	=	0.9	%	EPA 300.0	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/5/2019	Anion	Fluoride	n/a	=	19.4	mg/L	EPA 300.0	0.09	1			
2019/20-1	000NONPJ	matrix spike, rec	12/5/2019	Anion	Fluoride	n/a	=	95	%	EPA 300.0	-88	-88	86	107	
2019/20-1	000NONPJ	matrix spike dup	12/5/2019	Anion	Fluoride	n/a	=	20	mg/L	EPA 300.0	0.09	1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/5/2019	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2019/20-1	000NONPJ	matrix spike, RPD	12/5/2019	Anion	Fluoride	n/a	=	3	%	EPA 300.0	-88	-88	0	20	
2019/20-1	Lab	method blank	12/4/2019	Anion	Fluoride	n/a	<	0.009	mg/L	EPA 300.0	0.009	0.1			
2019/20-1	Lab	LCS	12/4/2019	Anion	Fluoride	n/a	=	2.06	mg/L	EPA 300.0	0.009	0.1			
2019/20-1	Lab	LCS, rec	12/4/2019	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike	12/5/2019	Anion	Perchlorate	n/a	=	11.2	µg/L	EPA 314.0	0.84	2			
2019/20-1	000NONPJ	matrix spike, rec	12/5/2019	Anion	Perchlorate	n/a	=	101	%	EPA 314.0	-88	-88	80	120	
2019/20-1	000NONPJ	matrix spike dup	12/5/2019	Anion	Perchlorate	n/a	=	11.8	µg/L	EPA 314.0	0.84	2			
2019/20-1	000NONPJ	matrix spike dup, rec	12/5/2019	Anion	Perchlorate	n/a	=	107	%	EPA 314.0	-88	-88	80	120	
2019/20-1	000NONPJ	matrix spike, RPD	12/5/2019	Anion	Perchlorate	n/a	=	5	%	EPA 314.0	-88	-88	0	15	
2019/20-1	000NONPJ	matrix spike	12/10/2019	Anion	Perchlorate	n/a	=	11.9	µg/L	EPA 314.0	0.84	2			
2019/20-1	000NONPJ	matrix spike, rec	12/10/2019	Anion	Perchlorate	n/a	=	98	%	EPA 314.0	-88	-88	80	120	
2019/20-1	000NONPJ	matrix spike dup	12/10/2019	Anion	Perchlorate	n/a	=	11.7	µg/L	EPA 314.0	0.84	2			
2019/20-1	000NONPJ	matrix spike dup, rec	12/10/2019	Anion	Perchlorate	n/a	=	95	%	EPA 314.0	-88	-88	80	120	
2019/20-1	000NONPJ	matrix spike, RPD	12/10/2019	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2019/20-1	Lab	method blank	12/5/2019	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-1	Lab	LCS	12/5/2019	Anion	Perchlorate	n/a	=	9.07	µg/L	EPA 314.0	0.84	2			
2019/20-1	Lab	LCS, rec	12/5/2019	Anion	Perchlorate	n/a	=	91	%	EPA 314.0	-88	-88	85	115	
2019/20-1	Lab	method blank	12/10/2019	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-1	Lab	LCS	12/10/2019	Anion	Perchlorate	n/a	=	10.2	µg/L	EPA 314.0	0.84	2			
2019/20-1	Lab	LCS, rec	12/10/2019	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	12/5/2019	Anion	Sulfate	Total	=	262	mg/L	EPA 300.0	2.4	5			
2019/20-1	000NONPJ	matrix spike, rec	12/5/2019	Anion	Sulfate	Total	=	102	%	EPA 300.0	-88	-88	78	111	
2019/20-1	000NONPJ	matrix spike dup	12/5/2019	Anion	Sulfate	Total	=	262	mg/L	EPA 300.0	2.4	5			
2019/20-1	000NONPJ	matrix spike dup, rec	12/5/2019	Anion	Sulfate	Total	=	102	%	EPA 300.0	-88	-88	78	111	
2019/20-1	000NONPJ	matrix spike, RPD	12/5/2019	Anion	Sulfate	Total	=	0.09	%	EPA 300.0	-88	-88	0	20	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike	12/5/2019	Anion	Sulfate	Total	=	251	mg/L	EPA 300.0	2.4	5			
2019/20-1	000NONPJ	matrix spike, rec	12/5/2019	Anion	Sulfate	Total	=	97	%	EPA 300.0	-88	-88	78	111	
2019/20-1	000NONPJ	matrix spike dup	12/5/2019	Anion	Sulfate	Total	=	253	mg/L	EPA 300.0	2.4	5			
2019/20-1	000NONPJ	matrix spike dup, rec	12/5/2019	Anion	Sulfate	Total	=	98	%	EPA 300.0	-88	-88	78	111	
2019/20-1	000NONPJ	matrix spike, RPD	12/5/2019	Anion	Sulfate	Total	=	0.6	%	EPA 300.0	-88	-88	0	20	
2019/20-1	Lab	method blank	12/4/2019	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-1	Lab	LCS	12/4/2019	Anion	Sulfate	Total	=	20.4	mg/L	EPA 300.0	0.24	0.5			
2019/20-1	Lab	LCS, rec	12/4/2019	Anion	Sulfate	Total	=	102	%	EPA 300.0	-88	-88	90	110	
2019/20-1	MO-HUE	field blank	11/28/2019	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2019/20-1	MO-OXN	field duplicate	11/28/2019	Bacteriological	E. Coli	n/a	=	5794	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2019/20-1	MO-HUE	field blank	11/28/2019	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2019/20-1	MO-OXN	field duplicate	11/28/2019	Bacteriological	Total Coliform	n/a	=	172000	MPN/100 mL	MMO-MUG	1000	1000	-88	-88	
2019/20-1	000NONPJ	matrix spike	12/17/2019	Cation	Calcium	Total	=	55.1	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	000NONPJ	matrix spike, rec	12/17/2019	Cation	Calcium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/17/2019	Cation	Calcium	Total	=	55.1	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/17/2019	Cation	Calcium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/17/2019	Cation	Calcium	Total	=	0.03	%	EPA 200.7	-88	-88	0	30	
2019/20-1	Lab	method blank	12/17/2019	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	Lab	LCS	12/17/2019	Cation	Calcium	Total	=	50.6	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	Lab	LCS, rec	12/17/2019	Cation	Calcium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2019/20-1	Lab	method blank	1/9/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	Lab	LCS	1/9/2020	Cation	Calcium	Total	=	46.6	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	Lab	LCS, rec	1/9/2020	Cation	Calcium	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2019/20-1	ME-SCR	matrix spike	1/9/2020	Cation	Calcium	Total	=	179	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	ME-SCR	matrix spike, rec	1/9/2020	Cation	Calcium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike dup	1/9/2020	Cation	Calcium	Total	=	178	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	ME-SCR	matrix spike dup, rec	1/9/2020	Cation	Calcium	Total	=	82	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike, RPD	1/9/2020	Cation	Calcium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-OXN	matrix spike	12/17/2019	Cation	Calcium	Total	=	64.7	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	MO-OXN	matrix spike, rec	12/17/2019	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike dup	12/17/2019	Cation	Calcium	Total	=	65	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	MO-OXN	matrix spike dup, rec	12/17/2019	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike, RPD	12/17/2019	Cation	Calcium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-SIM	matrix spike	1/9/2020	Cation	Calcium	Total	=	122	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	MO-SIM	matrix spike, rec	1/9/2020	Cation	Calcium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike dup	1/9/2020	Cation	Calcium	Total	=	120	mg/L	EPA 200.7	0.016	0.1			
2019/20-1	MO-SIM	matrix spike dup, rec	1/9/2020	Cation	Calcium	Total	=	81	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike, RPD	1/9/2020	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	12/17/2019	Cation	Magnesium	Total	=	52	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	000NONPJ	matrix spike, rec	12/17/2019	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/17/2019	Cation	Magnesium	Total	=	52	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/17/2019	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/17/2019	Cation	Magnesium	Total	=	0.07	%	EPA 200.7	-88	-88	0	30	
2019/20-1	Lab	method blank	12/17/2019	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	Lab	LCS	12/17/2019	Cation	Magnesium	Total	=	51.2	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	Lab	LCS, rec	12/17/2019	Cation	Magnesium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2019/20-1	Lab	method blank	1/9/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS	1/9/2020	Cation	Magnesium	Total	=	50	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	Lab	LCS, rec	1/9/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2019/20-1	ME-SCR	matrix spike	1/9/2020	Cation	Magnesium	Total	=	107	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	ME-SCR	matrix spike, rec	1/9/2020	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike dup	1/9/2020	Cation	Magnesium	Total	=	107	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	ME-SCR	matrix spike dup, rec	1/9/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike, RPD	1/9/2020	Cation	Magnesium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-OXN	matrix spike	12/17/2019	Cation	Magnesium	Total	=	55.5	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	MO-OXN	matrix spike, rec	12/17/2019	Cation	Magnesium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike dup	12/17/2019	Cation	Magnesium	Total	=	55.5	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	MO-OXN	matrix spike dup, rec	12/17/2019	Cation	Magnesium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike, RPD	12/17/2019	Cation	Magnesium	Total	=	0.009	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-SIM	matrix spike	1/9/2020	Cation	Magnesium	Total	=	71.6	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	MO-SIM	matrix spike, rec	1/9/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike dup	1/9/2020	Cation	Magnesium	Total	=	70.7	mg/L	EPA 200.7	0.012	0.1			
2019/20-1	MO-SIM	matrix spike dup, rec	1/9/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike, RPD	1/9/2020	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	12/17/2019	Cation	Potassium	Total	=	54.9	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	000NONPJ	matrix spike, rec	12/17/2019	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/17/2019	Cation	Potassium	Total	=	55	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/17/2019	Cation	Potassium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/17/2019	Cation	Potassium	Total	=	0.09	%	EPA 200.7	-88	-88	0	30	
2019/20-1	Lab	method blank	12/17/2019	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	Lab	LCS	12/17/2019	Cation	Potassium	Total	=	54.4	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	Lab	LCS, rec	12/17/2019	Cation	Potassium	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-1	Lab	method blank	1/9/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	Lab	LCS	1/9/2020	Cation	Potassium	Total	=	49.5	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	Lab	LCS, rec	1/9/2020	Cation	Potassium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-1	ME-SCR	matrix spike	1/9/2020	Cation	Potassium	Total	=	63.8	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	ME-SCR	matrix spike, rec	1/9/2020	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike dup	1/9/2020	Cation	Potassium	Total	=	63.2	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	ME-SCR	matrix spike dup, rec	1/9/2020	Cation	Potassium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike, RPD	1/9/2020	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-OXN	matrix spike	12/17/2019	Cation	Potassium	Total	=	57.3	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	MO-OXN	matrix spike, rec	12/17/2019	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike dup	12/17/2019	Cation	Potassium	Total	=	57.2	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	MO-OXN	matrix spike dup, rec	12/17/2019	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike, RPD	12/17/2019	Cation	Potassium	Total	=	0.09	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-SIM	matrix spike	1/9/2020	Cation	Potassium	Total	=	59.1	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	MO-SIM	matrix spike, rec	1/9/2020	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike dup	1/9/2020	Cation	Potassium	Total	=	58.4	mg/L	EPA 200.7	0.081	0.1			
2019/20-1	MO-SIM	matrix spike dup, rec	1/9/2020	Cation	Potassium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike, RPD	1/9/2020	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	12/17/2019	Cation	Sodium	Total	=	52.3	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	000NONPJ	matrix spike, rec	12/17/2019	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/17/2019	Cation	Sodium	Total	=	52.6	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	000NONPJ	matrix spike dup, rec	12/17/2019	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike, RPD	12/17/2019	Cation	Sodium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2019/20-1	Lab	method blank	12/17/2019	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	Lab	LCS	12/17/2019	Cation	Sodium	Total	=	49.4	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	Lab	LCS, rec	12/17/2019	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-1	Lab	method blank	1/9/2020	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	Lab	LCS	1/9/2020	Cation	Sodium	Total	=	48.2	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	Lab	LCS, rec	1/9/2020	Cation	Sodium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2019/20-1	ME-SCR	matrix spike	1/9/2020	Cation	Sodium	Total	=	148	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	ME-SCR	matrix spike, rec	1/9/2020	Cation	Sodium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike dup	1/9/2020	Cation	Sodium	Total	=	146	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	ME-SCR	matrix spike dup, rec	1/9/2020	Cation	Sodium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike, RPD	1/9/2020	Cation	Sodium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-OXN	matrix spike	12/17/2019	Cation	Sodium	Total	=	57.4	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	MO-OXN	matrix spike, rec	12/17/2019	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike dup	12/17/2019	Cation	Sodium	Total	=	57.5	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	MO-OXN	matrix spike dup, rec	12/17/2019	Cation	Sodium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike, RPD	12/17/2019	Cation	Sodium	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-SIM	matrix spike	1/9/2020	Cation	Sodium	Total	=	94.7	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	MO-SIM	matrix spike, rec	1/9/2020	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike dup	1/9/2020	Cation	Sodium	Total	=	93.3	mg/L	EPA 200.7	0.015	0.5			
2019/20-1	MO-SIM	matrix spike dup, rec	1/9/2020	Cation	Sodium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike, RPD	1/9/2020	Cation	Sodium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-1	000NONPJ	lab duplicate	12/3/2019	Conventional	Alkalinity as CaCO3	n/a	=	245	mg/L	SM 2320 B	0.56	2		15	
2019/20-1	000NONPJ	lab duplicate	12/5/2019	Conventional	Alkalinity as CaCO3	n/a	=	86.5	mg/L	SM 2320 B	0.56	2		15	
2019/20-1	000NONPJ	lab duplicate	12/10/2019	Conventional	Alkalinity as CaCO3	n/a	=	1820	mg/L	SM 2320 B	0.56	2		15	
2019/20-1	Lab	method blank	12/3/2019	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2019/20-1	Lab	method blank	12/3/2019	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2019/20-1	Lab	method blank	12/3/2019	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2019/20-1	Lab	method blank	12/3/2019	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2019/20-1	Lab	LCS	12/3/2019	Conventional	Alkalinity as CaCO3	n/a	=	255	mg/L	SM 2320 B	0.56	2			
2019/20-1	Lab	LCS, rec	12/3/2019	Conventional	Alkalinity as CaCO3	n/a	=	102	%	SM 2320 B	-88	-88	94	108	
2019/20-1	Lab	method blank	12/5/2019	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2019/20-1	Lab	LCS	12/5/2019	Conventional	Alkalinity as CaCO3	n/a	=	251	mg/L	SM 2320 B	0.56	2			
2019/20-1	Lab	LCS, rec	12/5/2019	Conventional	Alkalinity as CaCO3	n/a	=	100	%	SM 2320 B	-88	-88	94	108	
2019/20-1	Lab	method blank	12/10/2019	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.25	mg/L	SM 2320 B	0.56	2			IP
2019/20-1	000NONPJ	lab duplicate	12/3/2019	Conventional	BOD	n/a	=	14.3	mg/L	SM 5210 B	2	2		20	
2019/20-1	Lab	method blank	12/3/2019	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-1	Lab	method blank	12/3/2019	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-1	Lab	LCS	12/3/2019	Conventional	BOD	n/a	=	185	mg/L	SM 5210 B	2	2			
2019/20-1	Lab	LCS, rec	12/3/2019	Conventional	BOD	n/a	=	93	%	SM 5210 B	-88	-88	85	115	
2019/20-1	Lab	method blank	12/3/2019	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-1	Lab	method blank	12/3/2019	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-1	Lab	LCS	12/3/2019	Conventional	BOD	n/a	=	186	mg/L	SM 5210 B	2	2			
2019/20-1	Lab	LCS, rec	12/3/2019	Conventional	BOD	n/a	=	94	%	SM 5210 B	-88	-88	85	115	
2019/20-1	MO-SIM	lab duplicate	12/3/2019	Conventional	BOD	n/a	=	62.5	mg/L	SM 5210 B	2	2		20	
2019/20-1	000NONPJ	matrix spike	12/4/2019	Conventional	COD	n/a	=	206	mg/L	EPA 410.4	2.9	20			
2019/20-1	000NONPJ	matrix spike dup	12/4/2019	Conventional	COD	n/a	=	199	mg/L	EPA 410.4	2.9	20			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike dup, rec	12/4/2019	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, rec	12/4/2019	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/4/2019	Conventional	COD	n/a	=	3	%	EPA 410.4	-88	-88	0	15	
2019/20-1	000NONPJ	lab duplicate	12/4/2019	Conventional	COD	n/a	=	8300	mg/L	EPA 410.4	15	100		15	
2019/20-1	000NONPJ	matrix spike	12/4/2019	Conventional	COD	n/a	=	2140	mg/L	EPA 410.4	2.9	20			
2019/20-1	000NONPJ	matrix spike dup	12/4/2019	Conventional	COD	n/a	=	2140	mg/L	EPA 410.4	2.9	20			
2019/20-1	000NONPJ	matrix spike dup, rec	12/4/2019	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, rec	12/4/2019	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/4/2019	Conventional	COD	n/a	=	0	%	EPA 410.4	-88	-88	0	15	
2019/20-1	000NONPJ	lab duplicate	12/6/2019	Conventional	COD	n/a	=	7030	mg/L	EPA 410.4	15	100		15	
2019/20-1	Lab	LCS	12/4/2019	Conventional	COD	n/a	=	922	mg/L	EPA 410.4	0.73	5			
2019/20-1	Lab	LCS, rec	12/4/2019	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2019/20-1	Lab	method blank	12/4/2019	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2019/20-1	Lab	LCS	12/6/2019	Conventional	COD	n/a	=	922	mg/L	EPA 410.4	0.73	5			
2019/20-1	Lab	LCS, rec	12/6/2019	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2019/20-1	Lab	method blank	12/6/2019	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2019/20-1	ME-VR2	matrix spike	12/6/2019	Conventional	COD	n/a	=	204	mg/L	EPA 410.4	2.9	20			
2019/20-1	ME-VR2	matrix spike, rec	12/6/2019	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2019/20-1	ME-VR2	matrix spike dup	12/6/2019	Conventional	COD	n/a	=	200	mg/L	EPA 410.4	2.9	20			
2019/20-1	ME-VR2	matrix spike dup, rec	12/6/2019	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2019/20-1	ME-VR2	matrix spike, RPD	12/6/2019	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2019/20-1	MO-MEI	matrix spike dup	12/6/2019	Conventional	COD	n/a	=	2560	mg/L	EPA 410.4	2.9	20			
2019/20-1	MO-MEI	matrix spike dup, rec	12/6/2019	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2019/20-1	MO-MEI	matrix spike, RPD	12/6/2019	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2019/20-1	MO-MEI	matrix spike	12/6/2019	Conventional	COD	n/a	=	2520	mg/L	EPA 410.4	2.9	20			
2019/20-1	MO-MEI	matrix spike, rec	12/6/2019	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike	12/3/2019	Conventional	Cyanide	Total	=	0.053	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	000NONPJ	matrix spike, rec	12/3/2019	Conventional	Cyanide	Total	=	91	%	ASTM D7511	-88	-88	64	136	
2019/20-1	000NONPJ	matrix spike dup	12/3/2019	Conventional	Cyanide	Total	=	0.0539	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	000NONPJ	matrix spike dup, rec	12/3/2019	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	64	136	
2019/20-1	000NONPJ	matrix spike, RPD	12/3/2019	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2019/20-1	Lab	LCS	12/3/2019	Conventional	Cyanide	Total	=	0.0509	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	Lab	LCS, rec	12/3/2019	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	84	116	
2019/20-1	Lab	method blank	12/3/2019	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	Lab	method blank	12/3/2019	Conventional	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0003	0.002			IP
2019/20-1	Lab	LCS	12/3/2019	Conventional	Cyanide	Total	=	0.0499	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	Lab	LCS, rec	12/3/2019	Conventional	Cyanide	Total	=	100	%	ASTM D7511	-88	-88	84	116	
2019/20-1	Lab	LCS	12/4/2019	Conventional	Cyanide	Total	=	0.0543	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	Lab	LCS, rec	12/4/2019	Conventional	Cyanide	Total	=	109	%	ASTM D7511	-88	-88	84	116	
2019/20-1	Lab	method blank	12/4/2019	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	Lab	method blank	12/4/2019	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	Lab	LCS	12/4/2019	Conventional	Cyanide	Total	=	0.0493	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	Lab	LCS, rec	12/4/2019	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	84	116	
2019/20-1	ME-SCR	matrix spike	12/3/2019	Conventional	Cyanide	Total	=	0.0513	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	ME-SCR	matrix spike, rec	12/3/2019	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	64	136	
2019/20-1	ME-SCR	matrix spike dup	12/3/2019	Conventional	Cyanide	Total	=	0.0504	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	ME-SCR	matrix spike dup, rec	12/3/2019	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	64	136	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-SCR	matrix spike, RPD	12/3/2019	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2019/20-1	MO-HUE	matrix spike	12/4/2019	Conventional	Cyanide	Total	=	0.0598	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	MO-HUE	matrix spike, rec	12/4/2019	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	64	136	
2019/20-1	MO-HUE	matrix spike dup	12/4/2019	Conventional	Cyanide	Total	=	0.0606	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	MO-HUE	matrix spike dup, rec	12/4/2019	Conventional	Cyanide	Total	=	104	%	ASTM D7511	-88	-88	64	136	
2019/20-1	MO-HUE	matrix spike, RPD	12/4/2019	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2019/20-1	MO-HUE	field blank	12/4/2019	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	MO-OXN	field duplicate	12/3/2019	Conventional	Cyanide	Total	=	0.0044	mg/L	ASTM D7511	0.0003	0.002			
2019/20-1	Lab	LCS	12/12/2019	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.1	mg/L	SM 5310 B	0.016	0.1			
2019/20-1	Lab	LCS dup	12/12/2019	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.1	mg/L	SM 5310 B	0.016	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Conventional	Dissolved Inorganic Carbon	Dissolved	=	101	%	SM 5310 B	-88	-88	85	115	
2019/20-1	Lab	LCS, rec	12/12/2019	Conventional	Dissolved Inorganic Carbon	Dissolved	=	101	%	SM 5310 B	-88	-88	85	115	
2019/20-1	Lab	LCS, RPD	12/12/2019	Conventional	Dissolved Inorganic Carbon	Dissolved	=	0.8	%	SM 5310 B	-88	-88	0	20	
2019/20-1	Lab	method blank	12/12/2019	Conventional	Dissolved Inorganic Carbon	Dissolved	DNQ	0.0262	mg/L	SM 5310 B	0.016	0.1			IP
2019/20-1	000NONPJ	matrix spike	12/10/2019	Conventional	Dissolved Organic Carbon	Dissolved	=	21.3	mg/L	SM 5310 B	0.013	0.3			
2019/20-1	000NONPJ	matrix spike dup	12/10/2019	Conventional	Dissolved Organic Carbon	Dissolved	=	20.8	mg/L	SM 5310 B	0.013	0.3			
2019/20-1	000NONPJ	matrix spike dup, rec	12/10/2019	Conventional	Dissolved Organic Carbon	Dissolved	=	80	%	SM 5310 B	-88	-88	74	120	
2019/20-1	000NONPJ	matrix spike, rec	12/10/2019	Conventional	Dissolved Organic Carbon	Dissolved	=	89	%	SM 5310 B	-88	-88	74	120	
2019/20-1	000NONPJ	matrix spike, RPD	12/10/2019	Conventional	Dissolved Organic Carbon	Dissolved	=	2	%	SM 5310 B	-88	-88	0	20	
2019/20-1	Lab	LCS	12/10/2019	Conventional	Dissolved Organic Carbon	Dissolved	=	1.06	mg/L	SM 5310 B	0.013	0.3			
2019/20-1	Lab	LCS, rec	12/10/2019	Conventional	Dissolved Organic Carbon	Dissolved	=	106	%	SM 5310 B	-88	-88	85	115	
2019/20-1	Lab	method blank	12/10/2019	Conventional	Dissolved Organic Carbon	Dissolved	<	0.013	mg/L	SM 5310 B	0.013	0.3			
2019/20-1	000NONPJ	matrix spike	11/28/2019	Conventional	MBAS	n/a	=	0.382	mg/L	SM 5540 C	0.017	0.05			
2019/20-1	000NONPJ	matrix spike dup	11/28/2019	Conventional	MBAS	n/a	=	0.384	mg/L	SM 5540 C	0.017	0.05			
2019/20-1	000NONPJ	matrix spike dup, rec	11/28/2019	Conventional	MBAS	n/a	=	89	%	SM 5540 C	-88	-88	74	123	
2019/20-1	000NONPJ	matrix spike, rec	11/28/2019	Conventional	MBAS	n/a	=	88	%	SM 5540 C	-88	-88	74	123	
2019/20-1	000NONPJ	matrix spike, RPD	11/28/2019	Conventional	MBAS	n/a	=	0.5	%	SM 5540 C	-88	-88	0	20	
2019/20-1	Lab	LCS	11/28/2019	Conventional	MBAS	n/a	=	0.181	mg/L	SM 5540 C	0.017	0.05			
2019/20-1	Lab	LCS, rec	11/28/2019	Conventional	MBAS	n/a	=	91	%	SM 5540 C	-88	-88	82	115	
2019/20-1	Lab	method blank	11/28/2019	Conventional	MBAS	n/a	<	0.017	mg/L	SM 5540 C	0.017	0.05			
2019/20-1	000NONPJ	matrix spike	12/3/2019	Conventional	Phenolics	n/a	=	0.268	mg/L	EPA 420.4	0.0042	0.01			
2019/20-1	000NONPJ	matrix spike dup	12/3/2019	Conventional	Phenolics	n/a	=	0.271	mg/L	EPA 420.4	0.0042	0.01			
2019/20-1	000NONPJ	matrix spike dup, rec	12/3/2019	Conventional	Phenolics	n/a	=	108	%	EPA 420.4	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, rec	12/3/2019	Conventional	Phenolics	n/a	=	107	%	EPA 420.4	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/3/2019	Conventional	Phenolics	n/a	=	0.9	%	EPA 420.4	-88	-88	0	20	
2019/20-1	Lab	LCS	12/3/2019	Conventional	Phenolics	n/a	=	0.103	mg/L	EPA 420.4	0.0042	0.01			
2019/20-1	Lab	LCS, rec	12/3/2019	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2019/20-1	Lab	method blank	12/3/2019	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-1	Lab	LCS	12/4/2019	Conventional	Phenolics	n/a	=	0.102	mg/L	EPA 420.4	0.0042	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Conventional	Phenolics	n/a	=	102	%	EPA 420.4	-88	-88	90	110	
2019/20-1	Lab	method blank	12/4/2019	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-1	ME-VR2	matrix spike	12/4/2019	Conventional	Phenolics	n/a	=	0.277	mg/L	EPA 420.4	0.0042	0.01			GB
2019/20-1	ME-VR2	matrix spike dup	12/4/2019	Conventional	Phenolics	n/a	=	0.274	mg/L	EPA 420.4	0.0042	0.01			
2019/20-1	ME-VR2	matrix spike dup, rec	12/4/2019	Conventional	Phenolics	n/a	=	110	%	EPA 420.4	-88	-88	90	110	
2019/20-1	ME-VR2	matrix spike, rec	12/4/2019	Conventional	Phenolics	n/a	=	111	%	EPA 420.4	-88	-88	90	110	GB
2019/20-1	ME-VR2	matrix spike, RPD	12/4/2019	Conventional	Phenolics	n/a	=	0.8	%	EPA 420.4	-88	-88	0	20	
2019/20-1	Lab	method blank	12/4/2019	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS	12/4/2019	Conventional	Specific Conductance	n/a	=	446	µmhos/cm	SM 2510 B	0.23	2			
2019/20-1	Lab	LCS, rec	12/4/2019	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2019/20-1	Lab	LCS	12/11/2019	Conventional	Specific Conductance	n/a	=	25100	µmhos/cm	SM 2510 B	0.23	2			
2019/20-1	Lab	LCS, rec	12/11/2019	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2019/20-1	Lab	method blank	12/11/2019	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-1	ME-CC	lab duplicate	12/4/2019	Conventional	Specific Conductance	n/a	=	604	µmhos/cm	SM 2510 B	0.23	2		4.28	
2019/20-1	MO-HUE	lab duplicate	12/11/2019	Conventional	Specific Conductance	n/a	=	8270	µmhos/cm	SM 2510 B	0.23	2		4.28	
2019/20-1	Lab	LCS	11/28/2019	Conventional	Total Chlorine Residual	n/a	=	0.18	mg/L	SM 4500-CI G	0.0076	0.05			
2019/20-1	Lab	LCS, rec	11/28/2019	Conventional	Total Chlorine Residual	n/a	=	90	%	SM 4500-CI G	-88	-88	85	110	
2019/20-1	Lab	method blank	11/28/2019	Conventional	Total Chlorine Residual	n/a	<	0.0076	mg/L	SM 4500-CI G	0.0076	0.05			
2019/20-1	ME-CC	lab duplicate	11/28/2019	Conventional	Total Chlorine Residual	n/a	=	0.135	mg/L	SM 4500-CI G	0.0076	0.05		15	BV
2019/20-1	ME-CC	matrix spike	11/28/2019	Conventional	Total Chlorine Residual	n/a	=	0.308	mg/L	SM 4500-CI G	0.0076	0.05			BV
2019/20-1	ME-CC	matrix spike dup	11/28/2019	Conventional	Total Chlorine Residual	n/a	=	0.329	mg/L	SM 4500-CI G	0.0076	0.05			BV
2019/20-1	ME-CC	matrix spike dup, rec	11/28/2019	Conventional	Total Chlorine Residual	n/a	=	96	%	SM 4500-CI G	-88	-88	78	114	BV
2019/20-1	ME-CC	matrix spike, rec	11/28/2019	Conventional	Total Chlorine Residual	n/a	=	86	%	SM 4500-CI G	-88	-88	78	114	BV
2019/20-1	ME-CC	matrix spike, RPD	11/28/2019	Conventional	Total Chlorine Residual	n/a	=	7	%	SM 4500-CI G	-88	-88	0	15	BV
2019/20-1	Lab	LCS	12/4/2019	Conventional	Total Dissolved Solids	n/a	=	827	mg/L	SM 2540 C	4	10			
2019/20-1	Lab	LCS, rec	12/4/2019	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2019/20-1	Lab	method blank	12/4/2019	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2019/20-1	ME-SCR	lab duplicate	12/4/2019	Conventional	Total Dissolved Solids	n/a	=	1080	mg/L	SM 2540 C	4	10		10	
2019/20-1	MO-HUE	lab duplicate	12/4/2019	Conventional	Total Dissolved Solids	n/a	=	3080	mg/L	SM 2540 C	4	10		10	
2019/20-1	000NONPJ	matrix spike	12/11/2019	Conventional	Total Organic Carbon	n/a	=	6.96	mg/L	SM 5310 B	0.073	0.1			
2019/20-1	000NONPJ	matrix spike dup	12/11/2019	Conventional	Total Organic Carbon	n/a	=	7.11	mg/L	SM 5310 B	0.073	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/11/2019	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 B	-88	-88	76	115	
2019/20-1	000NONPJ	matrix spike, rec	12/11/2019	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 B	-88	-88	76	115	
2019/20-1	000NONPJ	matrix spike, RPD	12/11/2019	Conventional	Total Organic Carbon	n/a	=	2	%	SM 5310 B	-88	-88	0	20	
2019/20-1	Lab	LCS	12/11/2019	Conventional	Total Organic Carbon	n/a	=	1.03	mg/L	SM 5310 B	0.073	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 B	-88	-88	85	115	
2019/20-1	Lab	method blank	12/11/2019	Conventional	Total Organic Carbon	n/a	<	0.073	mg/L	SM 5310 B	0.073	0.1			
2019/20-1	000NONPJ	lab duplicate	12/2/2019	Conventional	Total Suspended Solids	n/a	=	110	mg/L	SM 2540 D	-88	5		20	
2019/20-1	000NONPJ	lab duplicate	12/4/2019	Conventional	Total Suspended Solids	n/a	=	91.2	mg/L	SM 2540 D	-88	5		20	
2019/20-1	Lab	LCS	12/2/2019	Conventional	Total Suspended Solids	n/a	=	69.1	mg/L	SM 2540 D	-88	5			
2019/20-1	Lab	LCS, rec	12/2/2019	Conventional	Total Suspended Solids	n/a	=	107	%	SM 2540 D	-88	-88	90	110	
2019/20-1	Lab	method blank	12/2/2019	Conventional	Total Suspended Solids	n/a	DNQ	0.7	mg/L	SM 2540 D	-88	5			IP
2019/20-1	Lab	LCS	12/4/2019	Conventional	Total Suspended Solids	n/a	=	60.8	mg/L	SM 2540 D	-88	5			
2019/20-1	Lab	LCS, rec	12/4/2019	Conventional	Total Suspended Solids	n/a	=	106	%	SM 2540 D	-88	-88	90	110	
2019/20-1	Lab	method blank	12/4/2019	Conventional	Total Suspended Solids	n/a	DNQ	0.2	mg/L	SM 2540 D	-88	5			IP
2019/20-1	MO-CAM	lab duplicate	12/2/2019	Conventional	Total Suspended Solids	n/a	=	476	mg/L	SM 2540 D	-88	5		20	
2019/20-1	MO-SPA	lab duplicate	12/4/2019	Conventional	Total Suspended Solids	n/a	=	121	mg/L	SM 2540 D	-88	5		20	
2019/20-1	Lab	LCS	11/28/2019	Conventional	Turbidity	n/a	=	10	NTU	EPA 180.1	0.017	0.1			
2019/20-1	Lab	LCS, rec	11/28/2019	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2019/20-1	Lab	method blank	11/28/2019	Conventional	Turbidity	n/a	DNQ	0.02	NTU	EPA 180.1	0.017	0.1			IP
2019/20-1	Lab	LCS	11/28/2019	Conventional	Turbidity	n/a	=	3.98	NTU	EPA 180.1	0.017	0.1			
2019/20-1	Lab	LCS, rec	11/28/2019	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2019/20-1	ME-CC	lab duplicate	11/28/2019	Conventional	Turbidity	n/a	=	560	NTU	EPA 180.1	0.68	4		10	
2019/20-1	Lab	LCS	12/2/2019	Conventional	Volatile Suspended Solids	n/a	=	50	mg/L	EPA 160.4	0.093	0.15			
2019/20-1	Lab	LCS, rec	12/2/2019	Conventional	Volatile Suspended Solids	n/a	=	109	%	EPA 160.4	-88	-88	90	110	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	method blank	12/2/2019	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-1	Lab	LCS	12/4/2019	Conventional	Volatile Suspended Solids	n/a	=	44	mg/L	EPA 160.4	0.093	0.15			
2019/20-1	Lab	LCS, rec	12/4/2019	Conventional	Volatile Suspended Solids	n/a	=	108	%	EPA 160.4	-88	-88	90	110	
2019/20-1	Lab	method blank	12/4/2019	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-1	MO-CAM	lab duplicate	12/2/2019	Conventional	Volatile Suspended Solids	n/a	=	120	mg/L	EPA 160.4	3.1	5		15	
2019/20-1	MO-SPA	lab duplicate	12/4/2019	Conventional	Volatile Suspended Solids	n/a	=	25	mg/L	EPA 160.4	3.1	5		15	
2019/20-1	Lab	method blank	12/30/2019	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0374	mg/L	EPA 8015D	0.024	0.1			IP
2019/20-1	Lab	LCS	12/30/2019	Hydrocarbon	Diesel Range Organics	n/a	=	0.519	mg/L	EPA 8015D	0.024	0.1			
2019/20-1	Lab	LCS, rec	12/30/2019	Hydrocarbon	Diesel Range Organics	n/a	=	104	%	EPA 8015D	-88	-88	56	136	
2019/20-1	Lab	LCS dup	12/30/2019	Hydrocarbon	Diesel Range Organics	n/a	=	0.474	mg/L	EPA 8015D	0.024	0.1			
2019/20-1	Lab	LCS dup, rec	12/30/2019	Hydrocarbon	Diesel Range Organics	n/a	=	95	%	EPA 8015D	-88	-88	56	136	
2019/20-1	Lab	LCS, RPD	12/30/2019	Hydrocarbon	Diesel Range Organics	n/a	=	9	%	EPA 8015D	-88	-88	0	25	
2019/20-1	Lab	method blank	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0357	mg/L	EPA 8015D	0.024	0.1			IP
2019/20-1	Lab	LCS	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.405	mg/L	EPA 8015D	0.024	0.1			
2019/20-1	Lab	LCS, rec	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	81	%	EPA 8015D	-88	-88	56	136	
2019/20-1	Lab	LCS dup	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.355	mg/L	EPA 8015D	0.024	0.1			
2019/20-1	Lab	LCS dup, rec	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	71	%	EPA 8015D	-88	-88	56	136	
2019/20-1	Lab	LCS, RPD	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	13	%	EPA 8015D	-88	-88	0	25	
2019/20-1	Lab	method blank	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.031	mg/L	EPA 8015D	0.024	0.1			IP
2019/20-1	Lab	LCS	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.557	mg/L	EPA 8015D	0.024	0.1			
2019/20-1	Lab	LCS, rec	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	111	%	EPA 8015D	-88	-88	56	136	
2019/20-1	Lab	LCS dup	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.51	mg/L	EPA 8015D	0.024	0.1			
2019/20-1	Lab	LCS dup, rec	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	102	%	EPA 8015D	-88	-88	56	136	
2019/20-1	Lab	LCS, RPD	1/9/2020	Hydrocarbon	Diesel Range Organics	n/a	=	9	%	EPA 8015D	-88	-88	0	25	
2019/20-1	Lab	LCS	12/8/2019	Hydrocarbon	Gasoline Range Organics	n/a	=	0.93	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-1	Lab	LCS, rec	12/8/2019	Hydrocarbon	Gasoline Range Organics	n/a	=	93	%	LUFT GC/MS	-88	-88	53	136	
2019/20-1	Lab	LCS dup	12/8/2019	Hydrocarbon	Gasoline Range Organics	n/a	=	0.94	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-1	Lab	LCS dup, rec	12/8/2019	Hydrocarbon	Gasoline Range Organics	n/a	=	94	%	LUFT GC/MS	-88	-88	53	136	
2019/20-1	Lab	LCS, RPD	12/8/2019	Hydrocarbon	Gasoline Range Organics	n/a	=	1	%	LUFT GC/MS	-88	-88	0	25	
2019/20-1	Lab	method blank	12/8/2019	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-1	MO-HUE	field blank	12/9/2019	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-1	MO-OXN	field duplicate	12/9/2019	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-1	Lab	srgt method blank	12/30/2019	Hydrocarbon	n-Tetracosane	n/a	=	0.235	mg/L	EPA 8015D	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/30/2019	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	srgt LCS	12/30/2019	Hydrocarbon	n-Tetracosane	n/a	=	0.188	mg/L	EPA 8015D	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/30/2019	Hydrocarbon	n-Tetracosane	n/a	=	75	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	srgt LCS dup	12/30/2019	Hydrocarbon	n-Tetracosane	n/a	=	0.173	mg/L	EPA 8015D	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/30/2019	Hydrocarbon	n-Tetracosane	n/a	=	69	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	srgt method blank	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.362	mg/L	EPA 8015D	-88	-88			
2019/20-1	Lab	srgt method blank, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	145	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	srgt LCS	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.364	mg/L	EPA 8015D	-88	-88			
2019/20-1	Lab	srgt LCS, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	146	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	srgt LCS dup	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.356	mg/L	EPA 8015D	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	142	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	srgt method blank	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.201	mg/L	EPA 8015D	-88	-88			
2019/20-1	Lab	srgt method blank, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	80	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	srgt LCS	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.186	mg/L	EPA 8015D	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	srgt LCS, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	75	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	srgt LCS dup	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.175	mg/L	EPA 8015D	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	70	%	EPA 8015D	-88	-88	64	155	
2019/20-1	ME-CC	srgt environ	12/30/2019	Hydrocarbon	n-Tetracosane	n/a	=	0.978	mg/L	EPA 8015D	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/30/2019	Hydrocarbon	n-Tetracosane	n/a	=	78	%	EPA 8015D	-88	-88	64	155	
2019/20-1	ME-SCR	srgt environ	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	0.978	mg/L	EPA 8015D	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	78	%	EPA 8015D	-88	-88	64	155	
2019/20-1	ME-VR2	srgt environ	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.689	mg/L	EPA 8015D	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	152	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-CAM	srgt environ	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	0.925	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	74	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-FIL	srgt environ	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	0.201	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	77	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-HUE	srgt environ	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.347	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	139	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-MEI	srgt environ	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	0.883	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	71	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-MPK	srgt environ	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.243	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	92	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-OXN	srgt environ	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.33	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	132	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-SIM	srgt environ	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.305	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	1/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-SPA	srgt environ	1/10/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.411	mg/L	EPA 8015D	-88	-88			GN
2019/20-1	MO-SPA	srgt environ, rec	1/10/2020	Hydrocarbon	n-Tetracosane	n/a	=	165	%	EPA 8015D	-88	-88	64	155	GN
2019/20-1	MO-THO	srgt environ	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	1.1	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	88	%	EPA 8015D	-88	-88	64	155	
2019/20-1	MO-VEN	srgt environ	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	1.03	mg/L	EPA 8015D	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/31/2019	Hydrocarbon	n-Tetracosane	n/a	=	82	%	EPA 8015D	-88	-88	64	155	
2019/20-1	Lab	LCS	12/7/2019	Hydrocarbon	Oil and Grease	n/a	DNQ	4.2	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/7/2019	Hydrocarbon	Oil and Grease	n/a	=	17.9	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup	12/7/2019	Hydrocarbon	Oil and Grease	n/a	=	16.4	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup, rec	12/7/2019	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/7/2019	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/7/2019	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, RPD	12/7/2019	Hydrocarbon	Oil and Grease	n/a	=	9	%	EPA 1664A	-88	-88	0	18	
2019/20-1	Lab	method blank	12/7/2019	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/13/2019	Hydrocarbon	Oil and Grease	n/a	=	16	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/13/2019	Hydrocarbon	Oil and Grease	n/a	=	5.7	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup	12/13/2019	Hydrocarbon	Oil and Grease	n/a	=	16.7	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup, rec	12/13/2019	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/13/2019	Hydrocarbon	Oil and Grease	n/a	=	114	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/13/2019	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, RPD	12/13/2019	Hydrocarbon	Oil and Grease	n/a	=	4	%	EPA 1664A	-88	-88	0	18	
2019/20-1	Lab	method blank	12/13/2019	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	16.6	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/14/2019	Hydrocarbon	Oil and Grease	n/a	DNQ	4.9	mg/L	EPA 1664A	1.3	5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS dup	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	18	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	83	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, RPD	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	8	%	EPA 1664A	-88	-88	0	18	
2019/20-1	Lab	method blank	12/14/2019	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	16.6	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	5.1	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	15.5	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	102	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	83	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, RPD	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	7	%	EPA 1664A	-88	-88	0	18	
2019/20-1	Lab	method blank	12/14/2019	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/14/2019	Hydrocarbon	Oil and Grease	n/a	DNQ	4.9	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	16.2	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	15.9	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	81	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, RPD	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2019/20-1	Lab	method blank	12/14/2019	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/18/2019	Hydrocarbon	Oil and Grease	n/a	DNQ	3.9	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS	12/18/2019	Hydrocarbon	Oil and Grease	n/a	=	17.3	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup	12/18/2019	Hydrocarbon	Oil and Grease	n/a	=	16.2	mg/L	EPA 1664A	1.3	5			
2019/20-1	Lab	LCS dup, rec	12/18/2019	Hydrocarbon	Oil and Grease	n/a	=	81	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/18/2019	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, rec	12/18/2019	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2019/20-1	Lab	LCS, RPD	12/18/2019	Hydrocarbon	Oil and Grease	n/a	=	7	%	EPA 1664A	-88	-88	0	18	
2019/20-1	Lab	method blank	12/18/2019	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-1	MO-HUE	field blank	12/14/2019	Hydrocarbon	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5			
2019/20-1	MO-OXN	field duplicate	12/14/2019	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-1	MO-OXN	matrix spike	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	15.9	mg/L	EPA 1664A	1.3	5			
2019/20-1	MO-OXN	matrix spike, rec	12/14/2019	Hydrocarbon	Oil and Grease	n/a	=	73	%	EPA 1664A	-88	-88	78	114	GB
2019/20-1	Lab	method blank	12/30/2019	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-1	Lab	method blank	1/9/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-1	Lab	method blank	1/9/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-1	Lab	method blank	1/22/2020	Metal	Aluminum	Dissolved	DNQ	1.58	µg/L	EPA 200.8	1.3	5			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Aluminum	Dissolved	=	50	µg/L	EPA 200.8	1.3	5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Aluminum	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Aluminum	Dissolved	DNQ	1.66	µg/L	EPA 200.8	1.3	5			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Aluminum	Dissolved	=	50.9	µg/L	EPA 200.8	1.3	5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Aluminum	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Aluminum	Total	=	8630	µg/L	EPA 200.8	13	50			GB
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Aluminum	Total	=	336	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Aluminum	Total	=	8670	µg/L	EPA 200.8	13	50			GB
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Aluminum	Total	=	422	%	EPA 200.8	-88	-88	70	130	GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Aluminum	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Aluminum	Total	=	74400	µg/L	EPA 200.8	130	500			GB
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Aluminum	Total	=	9410	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Aluminum	Total	=	72900	µg/L	EPA 200.8	130	500			GB
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Aluminum	Total	=	641	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	Lab	method blank	1/22/2020	Metal	Aluminum	Total	DNQ	1.55	µg/L	EPA 200.8	1.3	5			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Aluminum	Total	=	50	µg/L	EPA 200.8	1.3	5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Aluminum	Total	DNQ	2	µg/L	EPA 200.8	1.3	5			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Aluminum	Total	=	50.9	µg/L	EPA 200.8	1.3	5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Aluminum	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/22/2020	Metal	Aluminum	Total	=	11200	µg/L	EPA 200.8	13	50			GB
2019/20-1	ME-CC	matrix spike, rec	1/22/2020	Metal	Aluminum	Total	=	-13400	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike dup	1/22/2020	Metal	Aluminum	Total	=	11100	µg/L	EPA 200.8	13	50			GB
2019/20-1	ME-CC	matrix spike dup, rec	1/22/2020	Metal	Aluminum	Total	=	-13	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike, RPD	1/22/2020	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	MO-MPK	matrix spike	1/22/2020	Metal	Aluminum	Total	=	10600	µg/L	EPA 200.8	13	50			GB
2019/20-1	MO-MPK	matrix spike, rec	1/22/2020	Metal	Aluminum	Total	=	11300	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	MO-MPK	matrix spike dup	1/22/2020	Metal	Aluminum	Total	=	10900	µg/L	EPA 200.8	13	50			
2019/20-1	MO-MPK	matrix spike dup, rec	1/22/2020	Metal	Aluminum	Total	=	119	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/22/2020	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/22/2020	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	Lab	LCS	1/22/2020	Metal	Antimony	Dissolved	=	54.4	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Antimony	Dissolved	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	Lab	LCS	1/22/2020	Metal	Antimony	Dissolved	=	52	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Antimony	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	MO-MPK	matrix spike	1/22/2020	Metal	Antimony	Dissolved	=	35.7	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	MO-MPK	matrix spike, rec	1/22/2020	Metal	Antimony	Dissolved	=	70	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Antimony	Total	=	40.1	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Antimony	Total	=	77	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Antimony	Total	=	40.3	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Antimony	Total	=	77	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Antimony	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Antimony	Total	=	51.5	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Antimony	Total	=	52.2	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/22/2020	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	Lab	LCS	1/22/2020	Metal	Antimony	Total	=	54.4	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Antimony	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	Lab	LCS	1/22/2020	Metal	Antimony	Total	=	52	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Antimony	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/22/2020	Metal	Antimony	Total	=	34.1	µg/L	EPA 200.8	0.045	0.5			GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-CC	matrix spike, rec	1/22/2020	Metal	Antimony	Total	=	67	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike dup	1/22/2020	Metal	Antimony	Total	=	33.2	µg/L	EPA 200.8	0.045	0.5			GB
2019/20-1	ME-CC	matrix spike dup, rec	1/22/2020	Metal	Antimony	Total	=	65	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike, RPD	1/22/2020	Metal	Antimony	Total	=	3	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	MO-MPK	matrix spike	1/22/2020	Metal	Antimony	Total	=	35.7	µg/L	EPA 200.8	0.045	0.5			
2019/20-1	MO-MPK	matrix spike, rec	1/22/2020	Metal	Antimony	Total	=	70	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/22/2020	Metal	Antimony	Total	=	35	µg/L	EPA 200.8	0.045	0.5			GB
2019/20-1	MO-MPK	matrix spike dup, rec	1/22/2020	Metal	Antimony	Total	=	69	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	MO-MPK	matrix spike, RPD	1/22/2020	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	Lab	method blank	1/10/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	Lab	LCS	1/10/2020	Metal	Arsenic	Dissolved	=	52.1	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Arsenic	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	Lab	LCS	1/22/2020	Metal	Arsenic	Dissolved	=	51.8	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Arsenic	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Arsenic	Total	=	52.8	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Arsenic	Total	=	53.6	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Arsenic	Total	=	52.3	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Arsenic	Total	=	53	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	Lab	LCS	1/10/2020	Metal	Arsenic	Total	=	52.1	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	Lab	LCS	1/22/2020	Metal	Arsenic	Total	=	51.8	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Arsenic	Total	=	56.2	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Arsenic	Total	=	55.4	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Arsenic	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Arsenic	Total	=	55.1	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Arsenic	Total	=	54.5	µg/L	EPA 200.8	0.074	0.4			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Barium	Total	=	188	µg/L	EPA 200.8	0.071	0.5			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Barium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Barium	Total	=	186	µg/L	EPA 200.8	0.071	0.5			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Barium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Barium	Total	=	188	µg/L	EPA 200.8	0.071	0.5			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Barium	Total	=	118	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Barium	Total	=	190	µg/L	EPA 200.8	0.071	0.5			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Barium	Total	=	123	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2019/20-1	Lab	LCS	1/10/2020	Metal	Barium	Total	=	51.6	µg/L	EPA 200.8	0.071	0.5			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Barium	Total	DNQ	0.123	µg/L	EPA 200.8	0.071	0.5			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Barium	Total	=	51.7	µg/L	EPA 200.8	0.071	0.5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Barium	Total	=	228	µg/L	EPA 200.8	0.071	0.5			GB
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Barium	Total	=	45	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Barium	Total	=	230	µg/L	EPA 200.8	0.071	0.5			GB
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Barium	Total	=	49	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Barium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Barium	Total	=	286	µg/L	EPA 200.8	0.071	0.5			GB
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Barium	Total	=	173	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Barium	Total	=	283	µg/L	EPA 200.8	0.071	0.5			GB
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Barium	Total	=	168	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Barium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	Lab	method blank	1/22/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	Lab	LCS	1/22/2020	Metal	Beryllium	Dissolved	=	46.4	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Beryllium	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	Lab	LCS	1/22/2020	Metal	Beryllium	Dissolved	=	48.7	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Beryllium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-1	MO-MPK	matrix spike	1/22/2020	Metal	Beryllium	Dissolved	=	51	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	MO-MPK	matrix spike, rec	1/22/2020	Metal	Beryllium	Dissolved	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Beryllium	Total	=	49.2	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Beryllium	Total	=	48.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Beryllium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Beryllium	Total	=	48.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Beryllium	Total	=	49	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Beryllium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/22/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	Lab	LCS	1/22/2020	Metal	Beryllium	Total	=	46.4	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Beryllium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	Lab	LCS	1/22/2020	Metal	Beryllium	Total	=	48.7	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/22/2020	Metal	Beryllium	Total	=	51.8	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	ME-CC	matrix spike, rec	1/22/2020	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/22/2020	Metal	Beryllium	Total	=	52.3	µg/L	EPA 200.8	0.033	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-CC	matrix spike dup, rec	1/22/2020	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/22/2020	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/22/2020	Metal	Beryllium	Total	=	51	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	MO-MPK	matrix spike, rec	1/22/2020	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/22/2020	Metal	Beryllium	Total	=	51	µg/L	EPA 200.8	0.033	0.1			
2019/20-1	MO-MPK	matrix spike dup, rec	1/22/2020	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/22/2020	Metal	Beryllium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/22/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	Lab	LCS	1/22/2020	Metal	Cadmium	Dissolved	=	50.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Cadmium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	Lab	LCS	1/22/2020	Metal	Cadmium	Dissolved	=	48.7	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-1	MO-MPK	matrix spike	1/22/2020	Metal	Cadmium	Dissolved	=	47.6	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	MO-MPK	matrix spike, rec	1/22/2020	Metal	Cadmium	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Cadmium	Total	=	46.8	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Cadmium	Total	=	47.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Cadmium	Total	=	77.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Cadmium	Total	=	80.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Cadmium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/22/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	Lab	LCS	1/22/2020	Metal	Cadmium	Total	=	50.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	Lab	LCS	1/22/2020	Metal	Cadmium	Total	=	48.7	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/22/2020	Metal	Cadmium	Total	=	48.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	ME-CC	matrix spike, rec	1/22/2020	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/22/2020	Metal	Cadmium	Total	=	48.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	ME-CC	matrix spike dup, rec	1/22/2020	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/22/2020	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/22/2020	Metal	Cadmium	Total	=	47.6	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	MO-MPK	matrix spike, rec	1/22/2020	Metal	Cadmium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/22/2020	Metal	Cadmium	Total	=	48.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-1	MO-MPK	matrix spike dup, rec	1/22/2020	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/22/2020	Metal	Cadmium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Chromium	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-1	Lab	LCS	1/10/2020	Metal	Chromium	Dissolved	=	49.8	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Chromium	Dissolved	DNQ	0.065	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Chromium	Dissolved	=	50.2	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Chromium	Total	=	61.5	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Chromium	Total	=	61.8	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Chromium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Chromium	Total	=	91.6	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Chromium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Chromium	Total	=	91.1	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Chromium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Chromium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	Lab	LCS	1/10/2020	Metal	Chromium	Total	=	49.8	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Chromium	Total	DNQ	0.089	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Chromium	Total	=	50.2	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Chromium	Total	=	72.7	µg/L	EPA 200.8	0.035	0.2			GB
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Chromium	Total	=	64	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Chromium	Total	=	72	µg/L	EPA 200.8	0.035	0.2			GB
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Chromium	Total	=	62	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Chromium	Total	=	63.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Chromium	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Chromium	Total	=	63.1	µg/L	EPA 200.8	0.035	0.2			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Chromium	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Chromium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	12/3/2019	Metal	Chromium VI	n/a	=	8.93	µg/L	EPA 218.6	0.0079	0.02			
2019/20-1	000NONPJ	matrix spike, rec	12/3/2019	Metal	Chromium VI	n/a	=	96	%	EPA 218.6	-88	-88	88	112	
2019/20-1	000NONPJ	matrix spike dup	12/3/2019	Metal	Chromium VI	n/a	=	8.88	µg/L	EPA 218.6	0.0079	0.02			
2019/20-1	000NONPJ	matrix spike dup, rec	12/3/2019	Metal	Chromium VI	n/a	=	95	%	EPA 218.6	-88	-88	88	112	
2019/20-1	000NONPJ	matrix spike, RPD	12/3/2019	Metal	Chromium VI	n/a	=	0.6	%	EPA 218.6	-88	-88	0	10	
2019/20-1	000NONPJ	matrix spike	12/3/2019	Metal	Chromium VI	n/a	=	7.28	µg/L	EPA 218.6	0.0079	0.02			
2019/20-1	000NONPJ	matrix spike, rec	12/3/2019	Metal	Chromium VI	n/a	=	93	%	EPA 218.6	-88	-88	88	112	
2019/20-1	000NONPJ	matrix spike dup	12/3/2019	Metal	Chromium VI	n/a	=	7.3	µg/L	EPA 218.6	0.0079	0.02			
2019/20-1	000NONPJ	matrix spike dup, rec	12/3/2019	Metal	Chromium VI	n/a	=	93	%	EPA 218.6	-88	-88	88	112	
2019/20-1	000NONPJ	matrix spike, RPD	12/3/2019	Metal	Chromium VI	n/a	=	0.3	%	EPA 218.6	-88	-88	0	10	
2019/20-1	Lab	method blank	12/3/2019	Metal	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02			
2019/20-1	Lab	LCS	12/3/2019	Metal	Chromium VI	n/a	=	4.8	µg/L	EPA 218.6	0.0079	0.02			
2019/20-1	Lab	LCS, rec	12/3/2019	Metal	Chromium VI	n/a	=	96	%	EPA 218.6	-88	-88	90	110	
2019/20-1	Lab	method blank	1/10/2020	Metal	Copper	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.13	0.5			IP
2019/20-1	Lab	LCS	1/10/2020	Metal	Copper	Dissolved	=	53.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Copper	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	Lab	LCS	1/22/2020	Metal	Copper	Dissolved	=	53	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Copper	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Copper	Total	=	79.9	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Copper	Total	=	80.8	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Copper	Total	=	197	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Copper	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Copper	Total	=	195	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Copper	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Copper	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	Lab	LCS	1/10/2020	Metal	Copper	Total	=	53.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Copper	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Copper	Total	DNQ	0.222	µg/L	EPA 200.8	0.13	0.5			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Copper	Total	=	53	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Copper	Total	=	85.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Copper	Total	=	80	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Copper	Total	=	85	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Copper	Total	=	78	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Copper	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Copper	Total	=	79	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Copper	Total	=	78.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Copper	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	12/17/2019	Metal	Iron	Dissolved	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2019/20-1	Lab	LCS	12/17/2019	Metal	Iron	Dissolved	=	205	µg/L	EPA 200.7	1.1	10			
2019/20-1	Lab	LCS, rec	12/17/2019	Metal	Iron	Dissolved	=	102	%	EPA 200.7	-88	-88	85	115	
2019/20-1	Lab	method blank	1/9/2020	Metal	Iron	Dissolved	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2019/20-1	Lab	LCS	1/9/2020	Metal	Iron	Dissolved	=	195	µg/L	EPA 200.7	1.1	10			
2019/20-1	Lab	LCS, rec	1/9/2020	Metal	Iron	Dissolved	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	12/17/2019	Metal	Iron	Total	=	933	µg/L	EPA 200.7	1.1	10			
2019/20-1	000NONPJ	matrix spike, rec	12/17/2019	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/17/2019	Metal	Iron	Total	=	946	µg/L	EPA 200.7	1.1	10			
2019/20-1	000NONPJ	matrix spike dup, rec	12/17/2019	Metal	Iron	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/17/2019	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-1	Lab	method blank	12/17/2019	Metal	Iron	Total	DNQ	3	µg/L	EPA 200.7	1.1	10			IP
2019/20-1	Lab	LCS	12/17/2019	Metal	Iron	Total	=	205	µg/L	EPA 200.7	1.1	10			
2019/20-1	Lab	LCS, rec	12/17/2019	Metal	Iron	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2019/20-1	Lab	method blank	1/9/2020	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2019/20-1	Lab	LCS	1/9/2020	Metal	Iron	Total	=	195	µg/L	EPA 200.7	1.1	10			
2019/20-1	Lab	LCS, rec	1/9/2020	Metal	Iron	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-1	ME-SCR	matrix spike	1/9/2020	Metal	Iron	Total	=	10300	µg/L	EPA 200.7	1.1	10			GB
2019/20-1	ME-SCR	matrix spike, rec	1/9/2020	Metal	Iron	Total	=	1010	%	EPA 200.7	-88	-88	70	130	GB
2019/20-1	ME-SCR	matrix spike dup	1/9/2020	Metal	Iron	Total	=	10800	µg/L	EPA 200.7	1.1	10			
2019/20-1	ME-SCR	matrix spike dup, rec	1/9/2020	Metal	Iron	Total	=	123	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike, RPD	1/9/2020	Metal	Iron	Total	=	4	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-OXN	matrix spike	12/17/2019	Metal	Iron	Total	=	5990	µg/L	EPA 200.7	1.1	10			GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-OXN	matrix spike, rec	12/17/2019	Metal	Iron	Total	=	-79	%	EPA 200.7	-88	-88	70	130	GB
2019/20-1	MO-OXN	matrix spike dup	12/17/2019	Metal	Iron	Total	=	5850	µg/L	EPA 200.7	1.1	10			GB
2019/20-1	MO-OXN	matrix spike dup, rec	12/17/2019	Metal	Iron	Total	=	-14	%	EPA 200.7	-88	-88	70	130	GB
2019/20-1	MO-OXN	matrix spike, RPD	12/17/2019	Metal	Iron	Total	=	2	%	EPA 200.7	-88	-88	0	30	GB
2019/20-1	MO-SIM	matrix spike	1/9/2020	Metal	Iron	Total	=	7710	µg/L	EPA 200.7	1.1	10			GB
2019/20-1	MO-SIM	matrix spike, rec	1/9/2020	Metal	Iron	Total	=	2020	%	EPA 200.7	-88	-88	70	130	GB
2019/20-1	MO-SIM	matrix spike dup	1/9/2020	Metal	Iron	Total	=	7130	µg/L	EPA 200.7	1.1	10			GB
2019/20-1	MO-SIM	matrix spike dup, rec	1/9/2020	Metal	Iron	Total	=	173	%	EPA 200.7	-88	-88	70	130	GB
2019/20-1	MO-SIM	matrix spike, RPD	1/9/2020	Metal	Iron	Total	=	8	%	EPA 200.7	-88	-88	0	30	GB
2019/20-1	Lab	method blank	1/10/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	Lab	LCS	1/10/2020	Metal	Lead	Dissolved	=	51.9	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Lead	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	Lab	LCS	1/22/2020	Metal	Lead	Dissolved	=	49.8	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Lead	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Lead	Total	=	57	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Lead	Total	=	57.6	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Lead	Total	=	111	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Lead	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Lead	Total	=	113	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Lead	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	Lab	LCS	1/10/2020	Metal	Lead	Total	=	51.9	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	Lab	LCS	1/22/2020	Metal	Lead	Total	=	49.8	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Lead	Total	=	67.8	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Lead	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Lead	Total	=	67.5	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Lead	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Lead	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Lead	Total	=	66.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Lead	Total	=	66.3	µg/L	EPA 200.8	0.031	0.2			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Lead	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Lead	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	12/17/2019	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2019/20-1	000NONPJ	matrix spike, rec	12/17/2019	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/17/2019	Metal	Mercury	Dissolved	=	984	ng/L	EPA 245.1	17	50			
2019/20-1	000NONPJ	matrix spike dup, rec	12/17/2019	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/17/2019	Metal	Mercury	Dissolved	=	3	%	EPA 245.1	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/24/2019	Metal	Mercury	Dissolved	=	980	ng/L	EPA 245.1	17	50			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike, rec	12/24/2019	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/24/2019	Metal	Mercury	Dissolved	=	984	ng/L	EPA 245.1	17	50			
2019/20-1	000NONPJ	matrix spike dup, rec	12/24/2019	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/24/2019	Metal	Mercury	Dissolved	=	0.4	%	EPA 245.1	-88	-88	0	20	
2019/20-1	Lab	method blank	12/17/2019	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-1	Lab	LCS	12/17/2019	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2019/20-1	Lab	LCS, rec	12/17/2019	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	85	115	
2019/20-1	Lab	method blank	12/24/2019	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-1	Lab	LCS	12/24/2019	Metal	Mercury	Dissolved	=	1030	ng/L	EPA 245.1	17	50			
2019/20-1	Lab	LCS, rec	12/24/2019	Metal	Mercury	Dissolved	=	103	%	EPA 245.1	-88	-88	85	115	
2019/20-1	MO-FIL	matrix spike	12/24/2019	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2019/20-1	MO-FIL	matrix spike, rec	12/24/2019	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	70	130	
2019/20-1	MO-FIL	matrix spike dup	12/24/2019	Metal	Mercury	Dissolved	=	1030	ng/L	EPA 245.1	17	50			
2019/20-1	MO-FIL	matrix spike dup, rec	12/24/2019	Metal	Mercury	Dissolved	=	103	%	EPA 245.1	-88	-88	70	130	
2019/20-1	MO-FIL	matrix spike, RPD	12/24/2019	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	
2019/20-1	MO-THO	matrix spike	12/17/2019	Metal	Mercury	Dissolved	=	936	ng/L	EPA 245.1	17	50			
2019/20-1	MO-THO	matrix spike, rec	12/17/2019	Metal	Mercury	Dissolved	=	92	%	EPA 245.1	-88	-88	70	130	
2019/20-1	MO-THO	matrix spike dup	12/17/2019	Metal	Mercury	Dissolved	=	928	ng/L	EPA 245.1	17	50			
2019/20-1	MO-THO	matrix spike dup, rec	12/17/2019	Metal	Mercury	Dissolved	=	91	%	EPA 245.1	-88	-88	70	130	
2019/20-1	MO-THO	matrix spike, RPD	12/17/2019	Metal	Mercury	Dissolved	=	0.9	%	EPA 245.1	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/17/2019	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2019/20-1	000NONPJ	matrix spike, rec	12/17/2019	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/17/2019	Metal	Mercury	Total	=	984	ng/L	EPA 245.1	17	50			
2019/20-1	000NONPJ	matrix spike dup, rec	12/17/2019	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/17/2019	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/24/2019	Metal	Mercury	Total	=	980	ng/L	EPA 245.1	17	50			
2019/20-1	000NONPJ	matrix spike, rec	12/24/2019	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/24/2019	Metal	Mercury	Total	=	984	ng/L	EPA 245.1	17	50			
2019/20-1	000NONPJ	matrix spike dup, rec	12/24/2019	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/24/2019	Metal	Mercury	Total	=	0.4	%	EPA 245.1	-88	-88	0	20	
2019/20-1	Lab	method blank	12/17/2019	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-1	Lab	LCS	12/17/2019	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2019/20-1	Lab	LCS, rec	12/17/2019	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	85	115	
2019/20-1	Lab	method blank	12/24/2019	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-1	Lab	LCS	12/24/2019	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2019/20-1	Lab	LCS, rec	12/24/2019	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	85	115	
2019/20-1	MO-FIL	matrix spike	12/24/2019	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2019/20-1	MO-FIL	matrix spike, rec	12/24/2019	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2019/20-1	MO-FIL	matrix spike dup	12/24/2019	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2019/20-1	MO-FIL	matrix spike dup, rec	12/24/2019	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	70	130	
2019/20-1	MO-FIL	matrix spike, RPD	12/24/2019	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2019/20-1	MO-THO	matrix spike	12/17/2019	Metal	Mercury	Total	=	936	ng/L	EPA 245.1	17	50			
2019/20-1	MO-THO	matrix spike, rec	12/17/2019	Metal	Mercury	Total	=	90	%	EPA 245.1	-88	-88	70	130	
2019/20-1	MO-THO	matrix spike dup	12/17/2019	Metal	Mercury	Total	=	928	ng/L	EPA 245.1	17	50			
2019/20-1	MO-THO	matrix spike dup, rec	12/17/2019	Metal	Mercury	Total	=	89	%	EPA 245.1	-88	-88	70	130	
2019/20-1	MO-THO	matrix spike, RPD	12/17/2019	Metal	Mercury	Total	=	0.9	%	EPA 245.1	-88	-88	0	20	
2019/20-1	Lab	method blank	1/10/2020	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS	1/10/2020	Metal	Nickel	Dissolved	=	51.2	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Nickel	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Nickel	Dissolved	DNQ	0.0592	µg/L	EPA 200.8	0.045	0.8			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Nickel	Dissolved	=	50.3	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Nickel	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Nickel	Total	=	59.1	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Nickel	Total	=	59.7	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Nickel	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Nickel	Total	=	989	µg/L	EPA 200.8	4.5	80			GB
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Nickel	Total	=	203	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Nickel	Total	=	973	µg/L	EPA 200.8	4.5	80			GB
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Nickel	Total	=	171	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	Lab	method blank	1/10/2020	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	Lab	LCS	1/10/2020	Metal	Nickel	Total	=	51.2	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Nickel	Total	DNQ	0.0639	µg/L	EPA 200.8	0.045	0.8			IP
2019/20-1	Lab	LCS	1/22/2020	Metal	Nickel	Total	=	50.3	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Nickel	Total	=	76.5	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Nickel	Total	=	76	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Nickel	Total	=	76.2	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Nickel	Total	=	75	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Nickel	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Nickel	Total	=	68.7	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Nickel	Total	=	68.6	µg/L	EPA 200.8	0.045	0.8			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Nickel	Total	=	0.07	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	Lab	LCS	1/10/2020	Metal	Selenium	Dissolved	=	50.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Selenium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	Lab	LCS	1/22/2020	Metal	Selenium	Dissolved	=	53.8	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Selenium	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Selenium	Total	=	47	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Selenium	Total	=	48.5	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Selenium	Total	=	47.7	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Selenium	Total	=	49.3	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	method blank	1/10/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	Lab	LCS	1/10/2020	Metal	Selenium	Total	=	50.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	Lab	LCS	1/22/2020	Metal	Selenium	Total	=	53.8	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Selenium	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Selenium	Total	=	46.3	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Selenium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Selenium	Total	=	45.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Selenium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Selenium	Total	=	47.1	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Selenium	Total	=	46.9	µg/L	EPA 200.8	0.14	0.4			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Selenium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Selenium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	Lab	LCS	1/10/2020	Metal	Silver	Dissolved	=	51.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Silver	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	Lab	LCS	1/22/2020	Metal	Silver	Dissolved	=	49.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Silver	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Silver	Total	=	46.4	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Silver	Total	=	46.9	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Silver	Total	=	48.6	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Silver	Total	=	49.7	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Silver	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	Lab	LCS	1/10/2020	Metal	Silver	Total	=	51.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	Lab	LCS	1/22/2020	Metal	Silver	Total	=	49.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Silver	Total	=	47.9	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Silver	Total	=	47.6	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Silver	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Silver	Total	=	47	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Silver	Total	=	47.1	µg/L	EPA 200.8	0.062	0.2			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Silver	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	Lab	LCS	1/10/2020	Metal	Thallium	Dissolved	=	52.2	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Thallium	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	Lab	LCS	1/22/2020	Metal	Thallium	Dissolved	=	48.9	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Thallium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Thallium	Total	=	48.9	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Thallium	Total	=	48.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Thallium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Thallium	Total	=	48.9	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Thallium	Total	=	50.3	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Thallium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	Lab	LCS	1/10/2020	Metal	Thallium	Total	=	52.2	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	Lab	LCS	1/22/2020	Metal	Thallium	Total	=	48.9	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Thallium	Total	=	50.3	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Thallium	Total	=	50.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Thallium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Thallium	Total	=	50	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Thallium	Total	=	49.2	µg/L	EPA 200.8	0.014	0.2			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Metal	Zinc	Dissolved	DNQ	1.71	µg/L	EPA 200.8	0.94	5			IP
2019/20-1	Lab	LCS	1/10/2020	Metal	Zinc	Dissolved	=	53.9	µg/L	EPA 200.8	0.94	5			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Zinc	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-1	Lab	LCS	1/22/2020	Metal	Zinc	Dissolved	=	53.2	µg/L	EPA 200.8	0.94	5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Zinc	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Zinc	Total	=	182	µg/L	EPA 200.8	0.94	5			
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Zinc	Total	=	182	µg/L	EPA 200.8	0.94	5			
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Zinc	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	1/22/2020	Metal	Zinc	Total	=	3910	µg/L	EPA 200.8	94	500			GB
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Zinc	Total	=	282	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Zinc	Total	=	3950	µg/L	EPA 200.8	94	500			GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Zinc	Total	=	345	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Zinc	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	Lab	method blank	1/10/2020	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-1	Lab	LCS	1/10/2020	Metal	Zinc	Total	=	53.9	µg/L	EPA 200.8	0.94	5			
2019/20-1	Lab	LCS, rec	1/10/2020	Metal	Zinc	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-1	Lab	method blank	1/22/2020	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-1	Lab	LCS	1/22/2020	Metal	Zinc	Total	=	53.2	µg/L	EPA 200.8	0.94	5			
2019/20-1	Lab	LCS, rec	1/22/2020	Metal	Zinc	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-1	ME-CC	matrix spike	1/10/2020	Metal	Zinc	Total	=	202	µg/L	EPA 200.8	0.94	5			GB
2019/20-1	ME-CC	matrix spike, rec	1/10/2020	Metal	Zinc	Total	=	44	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike dup	1/10/2020	Metal	Zinc	Total	=	202	µg/L	EPA 200.8	0.94	5			GB
2019/20-1	ME-CC	matrix spike dup, rec	1/10/2020	Metal	Zinc	Total	=	43	%	EPA 200.8	-88	-88	70	130	GB
2019/20-1	ME-CC	matrix spike, RPD	1/10/2020	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	GB
2019/20-1	MO-MPK	matrix spike	1/10/2020	Metal	Zinc	Total	=	281	µg/L	EPA 200.8	0.94	5			
2019/20-1	MO-MPK	matrix spike, rec	1/10/2020	Metal	Zinc	Total	=	114	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike dup	1/10/2020	Metal	Zinc	Total	=	281	µg/L	EPA 200.8	0.94	5			
2019/20-1	MO-MPK	matrix spike dup, rec	1/10/2020	Metal	Zinc	Total	=	115	%	EPA 200.8	-88	-88	70	130	
2019/20-1	MO-MPK	matrix spike, RPD	1/10/2020	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-1	Lab	LCS	12/4/2019	Nutrient	Ammonia as N	n/a	=	0.239	mg/L	EPA 350.1	0.012	0.1			
2019/20-1	Lab	LCS, rec	12/4/2019	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2019/20-1	Lab	method blank	12/4/2019	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-1	Lab	LCS	12/4/2019	Nutrient	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.012	0.1			
2019/20-1	Lab	LCS, rec	12/4/2019	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2019/20-1	ME-VR2	matrix spike	12/4/2019	Nutrient	Ammonia as N	n/a	=	0.252	mg/L	EPA 350.1	0.012	0.1			
2019/20-1	ME-VR2	matrix spike, rec	12/4/2019	Nutrient	Ammonia as N	n/a	=	93	%	EPA 350.1	-88	-88	90	110	
2019/20-1	ME-VR2	matrix spike dup	12/4/2019	Nutrient	Ammonia as N	n/a	=	0.253	mg/L	EPA 350.1	0.012	0.1			
2019/20-1	ME-VR2	matrix spike dup, rec	12/4/2019	Nutrient	Ammonia as N	n/a	=	93	%	EPA 350.1	-88	-88	90	110	
2019/20-1	ME-VR2	matrix spike, RPD	12/4/2019	Nutrient	Ammonia as N	n/a	=	0.5	%	EPA 350.1	-88	-88	0	15	
2019/20-1	MO-FIL	matrix spike	12/4/2019	Nutrient	Ammonia as N	n/a	=	0.688	mg/L	EPA 350.1	0.012	0.1			
2019/20-1	MO-FIL	matrix spike, rec	12/4/2019	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2019/20-1	MO-FIL	matrix spike dup	12/4/2019	Nutrient	Ammonia as N	n/a	=	0.68	mg/L	EPA 350.1	0.012	0.1			
2019/20-1	MO-FIL	matrix spike dup, rec	12/4/2019	Nutrient	Ammonia as N	n/a	=	93	%	EPA 350.1	-88	-88	90	110	
2019/20-1	MO-FIL	matrix spike, RPD	12/4/2019	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2019/20-1	000NONPJ	matrix spike	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	2.35	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike, rec	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	2.38	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	7.75	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike, rec	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	7.82	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	5.18	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike, rec	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	5.18	mg/L	EPA 353.2	0.08	0.2			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike dup, rec	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	3.54	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike, rec	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	3.54	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	2.25	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike, rec	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	2.26	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	91	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.4	%	EPA 353.2	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	2.06	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike dup	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	2.06	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	90	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, rec	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	90	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-1	Lab	method blank	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.985	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS, rec	11/27/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.988	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS, rec	12/3/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.923	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS, rec	12/12/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	92	%	EPA 353.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.965	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS, rec	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2019/20-1	ME-SCR	matrix spike	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	3.88	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	ME-SCR	matrix spike, rec	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-1	ME-SCR	matrix spike dup	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	3.88	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	ME-SCR	matrix spike dup, rec	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-1	ME-SCR	matrix spike, RPD	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-1	ME-VR2	matrix spike	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	2.62	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	ME-VR2	matrix spike, rec	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2019/20-1	ME-VR2	matrix spike dup	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	2.63	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	ME-VR2	matrix spike dup, rec	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2019/20-1	ME-VR2	matrix spike, RPD	12/16/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.4	%	EPA 353.2	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	11/27/2019	Nutrient	Nitrate as N	n/a	=	2.35	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike, rec	11/27/2019	Nutrient	Nitrate as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	11/27/2019	Nutrient	Nitrate as N	n/a	=	2.38	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike dup, rec	11/27/2019	Nutrient	Nitrate as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	11/27/2019	Nutrient	Nitrate as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2019/20-1	000NONPJ	matrix spike	11/27/2019	Nutrient	Nitrate as N	n/a	=	7.75	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	000NONPJ	matrix spike, rec	11/27/2019	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	11/27/2019	Nutrient	Nitrate as N	n/a	=	7.82	mg/L	EPA 353.2	0.08	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike dup, rec	11/27/2019	Nutrient	Nitrate as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	11/27/2019	Nutrient	Nitrate as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2019/20-1	Lab	method blank	11/27/2019	Nutrient	Nitrate as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS	11/27/2019	Nutrient	Nitrate as N	n/a	=	0.985	mg/L	EPA 353.2	0.08	0.2			
2019/20-1	Lab	LCS, rec	11/27/2019	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/17/2019	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	Lab	LCS	12/17/2019	Nutrient	Phosphorus as P	Dissolved	=	1.08	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	Lab	LCS, rec	12/17/2019	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-1	Lab	method blank	1/9/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	Lab	LCS	1/9/2020	Nutrient	Phosphorus as P	Dissolved	=	1.01	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	Lab	LCS, rec	1/9/2020	Nutrient	Phosphorus as P	Dissolved	=	101	%	EPA 200.7	-88	-88	85	115	
2019/20-1	000NONPJ	matrix spike	12/17/2019	Nutrient	Phosphorus as P	Total	=	1.44	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	000NONPJ	matrix spike, rec	12/17/2019	Nutrient	Phosphorus as P	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike dup	12/17/2019	Nutrient	Phosphorus as P	Total	=	1.41	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	000NONPJ	matrix spike dup, rec	12/17/2019	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-1	000NONPJ	matrix spike, RPD	12/17/2019	Nutrient	Phosphorus as P	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-1	Lab	method blank	12/17/2019	Nutrient	Phosphorus as P	Total	DNQ	0.012	mg/L	EPA 200.7	0.012	0.02			IP
2019/20-1	Lab	LCS	12/17/2019	Nutrient	Phosphorus as P	Total	=	1.08	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	Lab	LCS, rec	12/17/2019	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-1	Lab	method blank	1/9/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	Lab	LCS	1/9/2020	Nutrient	Phosphorus as P	Total	=	1.01	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	Lab	LCS, rec	1/9/2020	Nutrient	Phosphorus as P	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2019/20-1	ME-SCR	matrix spike	1/9/2020	Nutrient	Phosphorus as P	Total	=	1.81	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	ME-SCR	matrix spike, rec	1/9/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike dup	1/9/2020	Nutrient	Phosphorus as P	Total	=	1.79	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	ME-SCR	matrix spike dup, rec	1/9/2020	Nutrient	Phosphorus as P	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-1	ME-SCR	matrix spike, RPD	1/9/2020	Nutrient	Phosphorus as P	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-OXN	matrix spike	12/17/2019	Nutrient	Phosphorus as P	Total	=	1.83	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	MO-OXN	matrix spike, rec	12/17/2019	Nutrient	Phosphorus as P	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike dup	12/17/2019	Nutrient	Phosphorus as P	Total	=	1.84	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	MO-OXN	matrix spike dup, rec	12/17/2019	Nutrient	Phosphorus as P	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-OXN	matrix spike, RPD	12/17/2019	Nutrient	Phosphorus as P	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2019/20-1	MO-SIM	matrix spike	1/9/2020	Nutrient	Phosphorus as P	Total	=	2	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	MO-SIM	matrix spike, rec	1/9/2020	Nutrient	Phosphorus as P	Total	=	118	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike dup	1/9/2020	Nutrient	Phosphorus as P	Total	=	1.94	mg/L	EPA 200.7	0.012	0.02			
2019/20-1	MO-SIM	matrix spike dup, rec	1/9/2020	Nutrient	Phosphorus as P	Total	=	112	%	EPA 200.7	-88	-88	70	130	
2019/20-1	MO-SIM	matrix spike, RPD	1/9/2020	Nutrient	Phosphorus as P	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	12/3/2019	Nutrient	TKN	n/a	=	1.39	mg/L	EPA 351.2	0.018	0.1			GB
2019/20-1	000NONPJ	matrix spike, rec	12/3/2019	Nutrient	TKN	n/a	=	113	%	EPA 351.2	-88	-88	90	110	GB
2019/20-1	000NONPJ	matrix spike dup	12/3/2019	Nutrient	TKN	n/a	=	1.29	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/3/2019	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/3/2019	Nutrient	TKN	n/a	=	8	%	EPA 351.2	-88	-88	0	10	
2019/20-1	000NONPJ	matrix spike	12/3/2019	Nutrient	TKN	n/a	=	1.22	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike, rec	12/3/2019	Nutrient	TKN	n/a	=	94	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	12/3/2019	Nutrient	TKN	n/a	=	1.23	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/3/2019	Nutrient	TKN	n/a	=	94	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/3/2019	Nutrient	TKN	n/a	=	0.5	%	EPA 351.2	-88	-88	0	10	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	000NONPJ	matrix spike	12/10/2019	Nutrient	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike, rec	12/10/2019	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	12/10/2019	Nutrient	TKN	n/a	=	1.39	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/10/2019	Nutrient	TKN	n/a	=	109	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/10/2019	Nutrient	TKN	n/a	=	7	%	EPA 351.2	-88	-88	0	10	
2019/20-1	000NONPJ	matrix spike	12/13/2019	Nutrient	TKN	n/a	=	1.31	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike, rec	12/13/2019	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	12/13/2019	Nutrient	TKN	n/a	=	1.29	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/13/2019	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/13/2019	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2019/20-1	000NONPJ	matrix spike	12/13/2019	Nutrient	TKN	n/a	=	1.21	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike, rec	12/13/2019	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike dup	12/13/2019	Nutrient	TKN	n/a	=	1.21	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	000NONPJ	matrix spike dup, rec	12/13/2019	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2019/20-1	000NONPJ	matrix spike, RPD	12/13/2019	Nutrient	TKN	n/a	=	0.4	%	EPA 351.2	-88	-88	0	10	
2019/20-1	Lab	method blank	12/3/2019	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS	12/3/2019	Nutrient	TKN	n/a	=	1.04	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS, rec	12/3/2019	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/3/2019	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS	12/3/2019	Nutrient	TKN	n/a	=	1.05	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS, rec	12/3/2019	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/10/2019	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS	12/10/2019	Nutrient	TKN	n/a	=	1.06	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS, rec	12/10/2019	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/13/2019	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS	12/13/2019	Nutrient	TKN	n/a	=	0.903	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS, rec	12/13/2019	Nutrient	TKN	n/a	=	90	%	EPA 351.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/13/2019	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS	12/13/2019	Nutrient	TKN	n/a	=	0.903	mg/L	EPA 351.2	0.018	0.1			
2019/20-1	Lab	LCS, rec	12/13/2019	Nutrient	TKN	n/a	=	90	%	EPA 351.2	-88	-88	90	110	
2019/20-1	Lab	method blank	12/9/2019	Organic	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	21	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	84	%	EPA 625.1	-88	-88	57	130	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	18.9	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	76	%	EPA 625.1	-88	-88	57	130	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	10	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	1,2-Dichlorobenzene	n/a	=	21.3	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	1,2-Dichlorobenzene	n/a	=	85	%	EPA 625.1	-88	-88	57	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	1,2-Dichlorobenzene	n/a	=	18.9	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	1,2-Dichlorobenzene	n/a	=	75	%	EPA 625.1	-88	-88	57	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	1,2-Dichlorobenzene	n/a	=	12	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	srgt LCS	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2019/20-1	Lab	srgt LCS, rec	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2019/20-1	Lab	srgt LCS dup	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	43.5	µg/L	EPA 624	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	87	%	EPA 624	-88	-88	82	125	
2019/20-1	Lab	srgt method blank	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	49.5	µg/L	EPA 624	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	srgt method blank, rec	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2019/20-1	ME-CC	srgt environ	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2019/20-1	ME-SCR	srgt environ	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2019/20-1	ME-VR2	srgt environ	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	51	µg/L	EPA 624	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	11/27/2019	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-CAM	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-FIL	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	54	µg/L	EPA 624	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-HUE	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	53.7	µg/L	EPA 624	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-HUE	srgt field blank	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2019/20-1	MO-HUE	srgt field blank, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-MEI	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-MPK	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	54.3	µg/L	EPA 624	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	109	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-OJA	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2019/20-1	MO-OJA	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-OXN	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	53.2	µg/L	EPA 624	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	106	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-OXN	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-SIM	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	54.2	µg/L	EPA 624	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-SPA	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	51	µg/L	EPA 624	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-THO	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	54.1	µg/L	EPA 624	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2019/20-1	MO-VEN	srgt environ	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	11/28/2019	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2019/20-1	Lab	method blank	12/9/2019	Organic	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	1,3-Dichlorobenzene	n/a	=	19.8	µg/L	EPA 625.1	0.42	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	1,3-Dichlorobenzene	n/a	=	79	%	EPA 625.1	-88	-88	55	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	1,3-Dichlorobenzene	n/a	=	18	µg/L	EPA 625.1	0.42	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	1,3-Dichlorobenzene	n/a	=	72	%	EPA 625.1	-88	-88	55	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	1,3-Dichlorobenzene	n/a	=	10	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	srgt method blank	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.497	µg/L	EPA 525.2m	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	Lab	srgt LCS	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.472	µg/L	EPA 525.2m	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	Lab	srgt method blank	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.91	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt LCS	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.94	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	srgt LCS dup	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.93	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt method blank	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.03	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	81	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt LCS	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt LCS dup	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.56	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt method blank	12/30/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.511	µg/L	EPA 525.2m	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/30/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	Lab	srgt LCS	12/30/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.502	µg/L	EPA 525.2m	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/30/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	ME-CC	srgt matrix spike dup	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	9.89	µg/L	EPA 525.2m	-88	-88			
2019/20-1	ME-CC	srgt matrix spike dup, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	ME-CC	srgt matrix spike	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	10.1	µg/L	EPA 525.2m	-88	-88			
2019/20-1	ME-CC	srgt matrix spike, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	ME-CC	srgt environ	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	9.18	µg/L	EPA 525.2m	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	ME-CC	srgt environ	12/13/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	128	µg/L	EPA 525.2	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/13/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	128	%	EPA 525.2	-88	-88	70	130	
2019/20-1	ME-SCR	srgt environ	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	10.2	µg/L	EPA 525.2m	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	ME-SCR	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	µg/L	EPA 525.2	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-1	ME-VR2	srgt environ	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.47	µg/L	EPA 525.2m	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	ME-VR2	srgt environ	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.5	µg/L	EPA 525.2	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-CAM	srgt environ	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.4	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-CAM	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-FIL	srgt environ	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.02	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-FIL	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-HUE	srgt environ	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.4	µg/L	EPA 525.2m	-88	-88			GN
2019/20-1	MO-HUE	srgt environ, rec	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	140	%	EPA 525.2m	-88	-88	76	128	GN
2019/20-1	MO-HUE	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99.4	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-MEI	srgt environ	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	9.63	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-MEI	srgt environ	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91.9	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/11/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-MPK	srgt environ	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	9.64	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-MPK	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92.8	µg/L	EPA 525.2	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-MPK	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-OXN	srgt environ	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.05	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-OXN	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86.4	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-SIM	srgt environ	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	10.7	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-SIM	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-SPA	srgt environ	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.01	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-SPA	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98.4	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-THO	srgt environ	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	9.24	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/5/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-THO	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	114	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-VEN	srgt environ	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.52	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/4/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2019/20-1	MO-VEN	srgt environ	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/12/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	method blank	12/9/2019	Organic	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	1,4-Dichlorobenzene	n/a	=	19.7	µg/L	EPA 625.1	0.48	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	1,4-Dichlorobenzene	n/a	=	79	%	EPA 625.1	-88	-88	55	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	1,4-Dichlorobenzene	n/a	=	17.7	µg/L	EPA 625.1	0.48	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	1,4-Dichlorobenzene	n/a	=	71	%	EPA 625.1	-88	-88	55	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	1,4-Dichlorobenzene	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	method blank	1/10/2020	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2019/20-1	Lab	srgt method blank	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	4.68	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	47	%	EPA 625.1	-88	-88	25	120	
2019/20-1	Lab	srgt LCS	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	41.6	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625.1	-88	-88	25	120	
2019/20-1	Lab	srgt LCS dup	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	39.8	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625.1	-88	-88	25	120	
2019/20-1	Lab	srgt method blank	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	3.6	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt method blank, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	36	%	EPA 8270C	-88	-88	26	117	
2019/20-1	Lab	srgt LCS dup	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.71	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 8270C	-88	-88	26	117	
2019/20-1	Lab	srgt LCS	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.95	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270C	-88	-88	26	117	
2019/20-1	ME-CC	srgt environ	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	5.31	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	53	%	EPA 625.1	-88	-88	25	120	
2019/20-1	ME-CC	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.83	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 8270C	-88	-88	26	117	
2019/20-1	ME-SCR	srgt environ	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	6	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 625.1	-88	-88	25	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-SCR	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.87	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2019/20-1	ME-VR2	srgt environ	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	7.25	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625.1	-88	-88	25	120	
2019/20-1	ME-VR2	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	9.35	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	93	%	EPA 8270C	-88	-88	26	117	
2019/20-1	MO-CAM	srgt environ	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	8.66	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-CAM	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	12.7	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-CAM	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	127	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	MO-FIL	srgt environ	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	7.04	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-FIL	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	14	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-FIL	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	140	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	MO-HUE	srgt environ	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	8.24	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-HUE	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	15.5	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-HUE	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	155	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	MO-MEI	srgt environ	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	8.76	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/9/2019	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-MEI	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	17.5	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-MEI	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	175	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	MO-MPK	srgt environ	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	7.47	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-MPK	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	16	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-MPK	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	152	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	MO-OXN	srgt environ	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	7.94	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-OXN	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	16.5	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-OXN	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	165	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	MO-SIM	srgt environ	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	6.5	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-SIM	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	14.2	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-SIM	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	142	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	MO-SPA	srgt environ	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	7.47	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-SPA	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	13.5	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-SPA	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	135	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	MO-THO	srgt environ	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	5.49	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	55	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-THO	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	11	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	110	%	EPA 8270C	-88	-88	26	117	
2019/20-1	MO-VEN	srgt environ	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	9.05	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/10/2019	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625.1	-88	-88	25	120	
2019/20-1	MO-VEN	srgt environ	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	16.7	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	MO-VEN	srgt environ, rec	1/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	159	%	EPA 8270C	-88	-88	26	117	GN
2019/20-1	Lab	method blank	12/9/2019	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS	12/9/2019	Organic	2,4,6-Trichlorophenol	n/a	=	21.6	µg/L	EPA 625.1	0.22	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2,4,6-Trichlorophenol	n/a	=	87	%	EPA 625.1	-88	-88	52	129	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2,4,6-Trichlorophenol	n/a	=	21	µg/L	EPA 625.1	0.22	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2,4,6-Trichlorophenol	n/a	=	84	%	EPA 625.1	-88	-88	52	129	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2,4,6-Trichlorophenol	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	8.8	µg/L	EPA 8270C	0.3	1			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	88	%	EPA 8270C	-88	-88	30	115	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	7.98	µg/L	EPA 8270C	0.3	1			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	80	%	EPA 8270C	-88	-88	30	115	
2019/20-1	Lab	method blank	12/9/2019	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	2,4-Dichlorophenol	n/a	=	21.2	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2,4-Dichlorophenol	n/a	=	85	%	EPA 625.1	-88	-88	53	122	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2,4-Dichlorophenol	n/a	=	19.7	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2,4-Dichlorophenol	n/a	=	79	%	EPA 625.1	-88	-88	53	122	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2,4-Dichlorophenol	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	2,4-Dichlorophenol	n/a	=	7.59	µg/L	EPA 8270C	0.51	1			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	2,4-Dichlorophenol	n/a	=	76	%	EPA 8270C	-88	-88	32	105	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	2,4-Dichlorophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	2,4-Dichlorophenol	n/a	=	6.72	µg/L	EPA 8270C	0.51	1			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	2,4-Dichlorophenol	n/a	=	67	%	EPA 8270C	-88	-88	32	105	
2019/20-1	Lab	srgt method blank	12/12/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.84	µg/L	EPA 515.4	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/12/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-1	Lab	srgt LCS	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.55	µg/L	EPA 515.4	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	srgt matrix spike	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.4	-88	-88			
2019/20-1	ME-CC	srgt matrix spike, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	srgt matrix spike dup	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.4	-88	-88			
2019/20-1	ME-CC	srgt matrix spike dup, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.96	µg/L	EPA 515.4	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-SCR	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.4	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-VR2	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.89	µg/L	EPA 515.4	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-CAM	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-FIL	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-HUE	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-MEI	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12.1	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	121	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-MPK	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12.7	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	127	%	EPA 515.4	-88	-88	70	130	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-OXN	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-SIM	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	120	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-SPA	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-THO	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.4	-88	-88	70	130	
2019/20-1	MO-VEN	srgt environ	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	12.6	µg/L	EPA 515.4	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/13/2019	Organic	2,4-Dichlorophenylacetic acid	n/a	=	126	%	EPA 515.4	-88	-88	70	130	
2019/20-1	Lab	method blank	12/9/2019	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	2,4-Dimethylphenol	n/a	=	21.2	µg/L	EPA 625.1	0.3	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2,4-Dimethylphenol	n/a	=	85	%	EPA 625.1	-88	-88	42	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2,4-Dimethylphenol	n/a	=	20	µg/L	EPA 625.1	0.3	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2,4-Dimethylphenol	n/a	=	80	%	EPA 625.1	-88	-88	42	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2,4-Dimethylphenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	2,4-Dimethylphenol	n/a	=	2.58	µg/L	EPA 8270C	1	2			EUM,IL
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	2,4-Dimethylphenol	n/a	=	26	%	EPA 8270C	-88	-88	31	97	EUM,IL
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	2,4-Dimethylphenol	n/a	=	43	%	EPA 8270C	-88	-88	0	30	EUM,IL
2019/20-1	Lab	LCS	1/10/2020	Organic	2,4-Dimethylphenol	n/a	=	4	µg/L	EPA 8270C	1	2			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	2,4-Dimethylphenol	n/a	=	40	%	EPA 8270C	-88	-88	31	97	
2019/20-1	Lab	method blank	12/9/2019	Organic	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10			
2019/20-1	Lab	LCS	12/9/2019	Organic	2,4-Dinitrophenol	n/a	=	31.2	µg/L	EPA 625.1	1.9	10			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2,4-Dinitrophenol	n/a	=	125	%	EPA 625.1	-88	-88	0.1	173	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2,4-Dinitrophenol	n/a	=	30.1	µg/L	EPA 625.1	1.9	10			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2,4-Dinitrophenol	n/a	=	120	%	EPA 625.1	-88	-88	0.1	173	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2,4-Dinitrophenol	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	2,4-Dinitrophenol	n/a	=	13.2	µg/L	EPA 8270C	1	2			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	2,4-Dinitrophenol	n/a	=	132	%	EPA 8270C	-88	-88	7	155	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	2,4-Dinitrophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	2,4-Dinitrophenol	n/a	=	13.5	µg/L	EPA 8270C	1	2			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	2,4-Dinitrophenol	n/a	=	135	%	EPA 8270C	-88	-88	7	155	
2019/20-1	Lab	method blank	12/9/2019	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	2,4-Dinitrotoluene	n/a	=	23	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2,4-Dinitrotoluene	n/a	=	92	%	EPA 625.1	-88	-88	48	127	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2,4-Dinitrotoluene	n/a	=	22.5	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2,4-Dinitrotoluene	n/a	=	90	%	EPA 625.1	-88	-88	48	127	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2,4-Dinitrotoluene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	2,6-Dinitrotoluene	n/a	=	21.2	µg/L	EPA 625.1	0.27	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2,6-Dinitrotoluene	n/a	=	85	%	EPA 625.1	-88	-88	68	137	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2,6-Dinitrotoluene	n/a	=	21.2	µg/L	EPA 625.1	0.27	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2,6-Dinitrotoluene	n/a	=	85	%	EPA 625.1	-88	-88	68	137	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2,6-Dinitrotoluene	n/a	=	0.05	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	LCS	11/27/2019	Organic	2-Chloroethyl vinyl ether	n/a	=	53.5	µg/L	EPA 624	0.19	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS, rec	11/27/2019	Organic	2-Chloroethyl vinyl ether	n/a	=	107	%	EPA 624	-88	-88	0.1	305	
2019/20-1	Lab	LCS dup	11/27/2019	Organic	2-Chloroethyl vinyl ether	n/a	=	64.2	µg/L	EPA 624	0.19	1			
2019/20-1	Lab	LCS dup, rec	11/27/2019	Organic	2-Chloroethyl vinyl ether	n/a	=	128	%	EPA 624	-88	-88	0.1	305	
2019/20-1	Lab	LCS, RPD	11/27/2019	Organic	2-Chloroethyl vinyl ether	n/a	=	18	%	EPA 624	-88	-88	0	25	
2019/20-1	Lab	method blank	11/27/2019	Organic	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1			
2019/20-1	MO-HUE	field blank	11/28/2019	Organic	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1			
2019/20-1	MO-OXN	field duplicate	11/28/2019	Organic	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1			
2019/20-1	Lab	method blank	12/9/2019	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	2-Chloronaphthalene	n/a	=	21.4	µg/L	EPA 625.1	0.45	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2-Chloronaphthalene	n/a	=	86	%	EPA 625.1	-88	-88	65	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2-Chloronaphthalene	n/a	=	20.4	µg/L	EPA 625.1	0.45	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2-Chloronaphthalene	n/a	=	82	%	EPA 625.1	-88	-88	65	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2-Chloronaphthalene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	2-Chlorophenol	n/a	=	19.2	µg/L	EPA 625.1	0.28	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2-Chlorophenol	n/a	=	77	%	EPA 625.1	-88	-88	36	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2-Chlorophenol	n/a	=	17.4	µg/L	EPA 625.1	0.28	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2-Chlorophenol	n/a	=	70	%	EPA 625.1	-88	-88	36	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2-Chlorophenol	n/a	=	10	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	2-Chlorophenol	n/a	=	7.43	µg/L	EPA 8270C	0.65	1			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	2-Chlorophenol	n/a	=	74	%	EPA 8270C	-88	-88	27	90	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	2-Chlorophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	2-Chlorophenol	n/a	=	6.6	µg/L	EPA 8270C	0.65	1			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	2-Chlorophenol	n/a	=	66	%	EPA 8270C	-88	-88	27	90	
2019/20-1	Lab	srgt method blank	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	2.96	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625.1	-88	-88	22	120	
2019/20-1	Lab	srgt LCS	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	20	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625.1	-88	-88	22	120	
2019/20-1	Lab	srgt LCS dup	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	18.9	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625.1	-88	-88	22	120	
2019/20-1	Lab	srgt method blank	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	2.78	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	56	%	EPA 8270C	-88	-88	51	139	
2019/20-1	Lab	srgt LCS	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.94	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 8270C	-88	-88	51	139	
2019/20-1	Lab	srgt LCS dup	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.47	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270C	-88	-88	51	139	
2019/20-1	ME-CC	srgt environ	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	2.33	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	47	%	EPA 625.1	-88	-88	22	120	
2019/20-1	ME-CC	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	2.32	µg/L	EPA 8270C	-88	-88			GN
2019/20-1	ME-CC	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	46	%	EPA 8270C	-88	-88	51	139	GN
2019/20-1	ME-SCR	srgt environ	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	2.86	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 625.1	-88	-88	22	120	
2019/20-1	ME-SCR	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	2.88	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2019/20-1	ME-VR2	srgt environ	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	3.58	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625.1	-88	-88	22	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-VR2	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.59	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-CAM	srgt environ	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	2.37	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	47	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-CAM	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.8	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-FIL	srgt environ	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	3.02	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-FIL	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.9	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-HUE	srgt environ	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	3.77	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-HUE	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.82	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-MEI	srgt environ	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	3.19	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/9/2019	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-MEI	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.78	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-MPK	srgt environ	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	2.49	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	47	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-MPK	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.11	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-OXN	srgt environ	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	2.49	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	50	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-OXN	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.78	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-SIM	srgt environ	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	2.75	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	55	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-SIM	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.32	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-SPA	srgt environ	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	2.96	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-SPA	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	3.69	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-THO	srgt environ	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	1.93	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	39	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-THO	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	2.56	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 8270C	-88	-88	51	139	
2019/20-1	MO-VEN	srgt environ	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	3.94	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/10/2019	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625.1	-88	-88	22	120	
2019/20-1	MO-VEN	srgt environ	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	4.21	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/20/2019	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 8270C	-88	-88	51	139	
2019/20-1	Lab	srgt method blank	12/9/2019	Organic	2-Fluorophenol	n/a	=	4.62	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/9/2019	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625.1	-88	-88	17	120	
2019/20-1	Lab	srgt LCS	12/9/2019	Organic	2-Fluorophenol	n/a	=	25.1	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/9/2019	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625.1	-88	-88	17	120	
2019/20-1	Lab	srgt LCS dup	12/9/2019	Organic	2-Fluorophenol	n/a	=	22.4	µg/L	EPA 625.1	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	srgt LCS dup, rec	12/9/2019	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625.1	-88	-88	17	120	
2019/20-1	Lab	srgt method blank	1/10/2020	Organic	2-Fluorophenol	n/a	=	3.31	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt method blank, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	33	%	EPA 8270C	-88	-88	11	62	
2019/20-1	Lab	srgt LCS dup	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.36	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270C	-88	-88	11	62	
2019/20-1	Lab	srgt LCS	1/10/2020	Organic	2-Fluorophenol	n/a	=	3.84	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2019/20-1	ME-CC	srgt environ	12/9/2019	Organic	2-Fluorophenol	n/a	=	4.61	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/9/2019	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625.1	-88	-88	17	120	
2019/20-1	ME-CC	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	3.49	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	35	%	EPA 8270C	-88	-88	11	62	
2019/20-1	ME-SCR	srgt environ	12/9/2019	Organic	2-Fluorophenol	n/a	=	4.16	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/9/2019	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625.1	-88	-88	17	120	
2019/20-1	ME-SCR	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	3.32	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	33	%	EPA 8270C	-88	-88	11	62	
2019/20-1	ME-VR2	srgt environ	12/9/2019	Organic	2-Fluorophenol	n/a	=	5.4	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/9/2019	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625.1	-88	-88	17	120	
2019/20-1	ME-VR2	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.24	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-CAM	srgt environ	12/9/2019	Organic	2-Fluorophenol	n/a	=	5.02	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/9/2019	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-CAM	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.59	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-FIL	srgt environ	12/10/2019	Organic	2-Fluorophenol	n/a	=	4.64	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/10/2019	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-FIL	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.71	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	47	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-HUE	srgt environ	12/10/2019	Organic	2-Fluorophenol	n/a	=	5.41	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/10/2019	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-HUE	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.82	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	48	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-MEI	srgt environ	12/9/2019	Organic	2-Fluorophenol	n/a	=	4.7	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/9/2019	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-MEI	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.29	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-MPK	srgt environ	12/10/2019	Organic	2-Fluorophenol	n/a	=	4.22	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/10/2019	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-MPK	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.37	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	41	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-OXN	srgt environ	12/10/2019	Organic	2-Fluorophenol	n/a	=	4.5	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/10/2019	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-OXN	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	5.31	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	53	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-SIM	srgt environ	12/10/2019	Organic	2-Fluorophenol	n/a	=	4.91	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/10/2019	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-SIM	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.79	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	48	%	EPA 8270C	-88	-88	11	62	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-SPA	srgt environ	12/10/2019	Organic	2-Fluorophenol	n/a	=	4.97	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/10/2019	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-SPA	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.68	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	47	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-THO	srgt environ	12/10/2019	Organic	2-Fluorophenol	n/a	=	3.38	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/10/2019	Organic	2-Fluorophenol	n/a	=	34	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-THO	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	4.07	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	41	%	EPA 8270C	-88	-88	11	62	
2019/20-1	MO-VEN	srgt environ	12/10/2019	Organic	2-Fluorophenol	n/a	=	5.96	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/10/2019	Organic	2-Fluorophenol	n/a	=	57	%	EPA 625.1	-88	-88	17	120	
2019/20-1	MO-VEN	srgt environ	1/10/2020	Organic	2-Fluorophenol	n/a	=	5.45	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	1/10/2020	Organic	2-Fluorophenol	n/a	=	52	%	EPA 8270C	-88	-88	11	62	
2019/20-1	Lab	method blank	12/20/2019	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	method blank	1/10/2020	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2019/20-1	Lab	method blank	12/9/2019	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	2-Nitrophenol	n/a	=	20.7	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	2-Nitrophenol	n/a	=	83	%	EPA 625.1	-88	-88	45	167	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	2-Nitrophenol	n/a	=	19.1	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	2-Nitrophenol	n/a	=	76	%	EPA 625.1	-88	-88	45	167	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	2-Nitrophenol	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	2-Nitrophenol	n/a	=	7.34	µg/L	EPA 8270C	0.71	1			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	2-Nitrophenol	n/a	=	73	%	EPA 8270C	-88	-88	33	103	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	2-Nitrophenol	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	2-Nitrophenol	n/a	=	7.25	µg/L	EPA 8270C	0.71	1			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	2-Nitrophenol	n/a	=	72	%	EPA 8270C	-88	-88	33	103	
2019/20-1	Lab	method blank	12/9/2019	Organic	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5			
2019/20-1	Lab	LCS	12/9/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	26.8	µg/L	EPA 625.1	0.99	5			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	107	%	EPA 625.1	-88	-88	8	213	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	27.4	µg/L	EPA 625.1	0.99	5			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	109	%	EPA 625.1	-88	-88	8	213	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-1	Lab	method blank	12/9/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5			
2019/20-1	Lab	LCS	12/9/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	25.2	µg/L	EPA 625.1	1.4	5			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	101	%	EPA 625.1	-88	-88	53	130	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	24	µg/L	EPA 625.1	1.4	5			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	96	%	EPA 625.1	-88	-88	53	130	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.02	µg/L	EPA 8270C	0.14	1			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	90	%	EPA 8270C	-88	-88	33	118	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.59	µg/L	EPA 8270C	0.14	1			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	96	%	EPA 8270C	-88	-88	33	118	
2019/20-1	Lab	srgt LCS	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2019/20-1	Lab	srgt LCS, rec	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	srgt LCS dup	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2019/20-1	Lab	srgt method blank	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	44.6	µg/L	EPA 624	-88	-88			
2019/20-1	Lab	srgt method blank, rec	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	89	%	EPA 624	-88	-88	88	108	
2019/20-1	Lab	srgt LCS	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	Lab	srgt LCS dup	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	50.3	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	Lab	srgt method blank	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	47.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	95	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	ME-CC	srgt environ	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 624	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2019/20-1	ME-CC	srgt environ	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	47.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	95	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	ME-SCR	srgt environ	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	46.4	µg/L	EPA 624	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2019/20-1	ME-SCR	srgt environ	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	49.4	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	99	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	ME-VR2	srgt environ	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	45.8	µg/L	EPA 624	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	11/27/2019	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2019/20-1	ME-VR2	srgt environ	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-CAM	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	46.1	µg/L	EPA 624	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-CAM	srgt environ	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-FIL	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	46.2	µg/L	EPA 624	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-FIL	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	48.2	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	96	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-HUE	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	43.5	µg/L	EPA 624	-88	-88			GN
2019/20-1	MO-HUE	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	87	%	EPA 624	-88	-88	88	108	GN
2019/20-1	MO-HUE	srgt field blank	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	46.2	µg/L	EPA 624	-88	-88			
2019/20-1	MO-HUE	srgt field blank, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-HUE	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	47.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	95	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-HUE	srgt field blank	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-HUE	srgt field blank, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-MEI	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	46.7	µg/L	EPA 624	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-MEI	srgt environ	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-MPK	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	45.4	µg/L	EPA 624	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-MPK	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	48.8	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-OJA	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 624	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-OJA	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-OJA	srgt environ	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-OJA	srgt environ, rec	12/8/2019	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-OXN	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	45.4	µg/L	EPA 624	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-OXN	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	44.9	µg/L	EPA 624	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-OXN	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	48.6	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	97	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-OXN	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	48.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-SIM	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	45.6	µg/L	EPA 624	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-SIM	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	48.6	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	97	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-SPA	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	46.3	µg/L	EPA 624	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-SPA	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	48.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-THO	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	46.3	µg/L	EPA 624	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-THO	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	MO-VEN	srgt environ	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	45.7	µg/L	EPA 624	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	11/28/2019	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 624	-88	-88	88	108	
2019/20-1	MO-VEN	srgt environ	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	49.2	µg/L	LUFT GC/MS	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/9/2019	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-1	Lab	method blank	12/9/2019	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	21.8	µg/L	EPA 625.1	0.36	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	87	%	EPA 625.1	-88	-88	65	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	21.5	µg/L	EPA 625.1	0.36	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	86	%	EPA 625.1	-88	-88	65	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	4-Chloro-3-methylphenol	n/a	=	21.8	µg/L	EPA 625.1	0.23	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	4-Chloro-3-methylphenol	n/a	=	87	%	EPA 625.1	-88	-88	41	128	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	4-Chloro-3-methylphenol	n/a	=	20.8	µg/L	EPA 625.1	0.23	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	4-Chloro-3-methylphenol	n/a	=	83	%	EPA 625.1	-88	-88	41	128	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	4-Chloro-3-methylphenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	8.08	µg/L	EPA 8270C	0.37	1			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	81	%	EPA 8270C	-88	-88	29	108	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	7.41	µg/L	EPA 8270C	0.37	1			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	74	%	EPA 8270C	-88	-88	29	108	
2019/20-1	Lab	method blank	12/9/2019	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.3	µg/L	EPA 625.1	0.41	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	85	%	EPA 625.1	-88	-88	38	145	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.2	µg/L	EPA 625.1	0.41	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	81	%	EPA 625.1	-88	-88	38	145	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5			
2019/20-1	Lab	LCS	12/9/2019	Organic	4-Nitrophenol	n/a	=	9.34	µg/L	EPA 625.1	1.2	5			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	4-Nitrophenol	n/a	=	37	%	EPA 625.1	-88	-88	13	129	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	4-Nitrophenol	n/a	=	8.82	µg/L	EPA 625.1	1.2	5			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	4-Nitrophenol	n/a	=	35	%	EPA 625.1	-88	-88	13	129	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	4-Nitrophenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	4-Nitrophenol	n/a	=	4.56	µg/L	EPA 8270C	1	2			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	4-Nitrophenol	n/a	=	46	%	EPA 8270C	-88	-88	6	46	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	4-Nitrophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	4-Nitrophenol	n/a	=	4.06	µg/L	EPA 8270C	1	2			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	4-Nitrophenol	n/a	=	41	%	EPA 8270C	-88	-88	6	46	
2019/20-1	Lab	method blank	12/9/2019	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Acenaphthene	n/a	=	23.4	µg/L	EPA 625.1	0.38	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Acenaphthene	n/a	=	94	%	EPA 625.1	-88	-88	60	132	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Acenaphthene	n/a	=	22.3	µg/L	EPA 625.1	0.38	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Acenaphthene	n/a	=	89	%	EPA 625.1	-88	-88	60	132	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Acenaphthene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Acenaphthene	n/a	=	8.45	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Acenaphthene	n/a	=	84	%	EPA 8270C	-88	-88	11	122	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Acenaphthene	n/a	=	7.36	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Acenaphthene	n/a	=	74	%	EPA 8270C	-88	-88	11	122	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Acenaphthene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Acenaphthylene	n/a	=	22.9	µg/L	EPA 625.1	0.17	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Acenaphthylene	n/a	=	92	%	EPA 625.1	-88	-88	54	126	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Acenaphthylene	n/a	=	22.1	µg/L	EPA 625.1	0.17	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Acenaphthylene	n/a	=	88	%	EPA 625.1	-88	-88	54	126	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Acenaphthylene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Acenaphthylene	n/a	=	8.69	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Acenaphthylene	n/a	=	87	%	EPA 8270C	-88	-88	4	135	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Acenaphthylene	n/a	=	8.14	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Acenaphthylene	n/a	=	81	%	EPA 8270C	-88	-88	4	135	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Acenaphthylene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Anthracene	n/a	=	24.7	µg/L	EPA 625.1	0.12	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Anthracene	n/a	=	99	%	EPA 625.1	-88	-88	43	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Anthracene	n/a	=	24.1	µg/L	EPA 625.1	0.12	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Anthracene	n/a	=	96	%	EPA 625.1	-88	-88	43	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Anthracene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS	12/20/2019	Organic	Anthracene	n/a	=	8.76	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Anthracene	n/a	=	88	%	EPA 8270C	-88	-88	22	127	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Anthracene	n/a	=	8.12	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Anthracene	n/a	=	81	%	EPA 8270C	-88	-88	22	127	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Anthracene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Benz(a)anthracene	n/a	=	24.7	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Benz(a)anthracene	n/a	=	99	%	EPA 625.1	-88	-88	42	133	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Benz(a)anthracene	n/a	=	25	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Benz(a)anthracene	n/a	=	100	%	EPA 625.1	-88	-88	42	133	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Benz(a)anthracene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Benz(a)anthracene	n/a	=	10.9	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Benz(a)anthracene	n/a	=	109	%	EPA 8270C	-88	-88	17	131	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Benz(a)anthracene	n/a	=	12.2	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Benz(a)anthracene	n/a	=	122	%	EPA 8270C	-88	-88	17	131	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Benz(a)anthracene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Benzo(a)pyrene	n/a	=	25.2	µg/L	EPA 625.1	0.39	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Benzo(a)pyrene	n/a	=	101	%	EPA 625.1	-88	-88	32	148	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Benzo(a)pyrene	n/a	=	25.3	µg/L	EPA 625.1	0.39	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Benzo(a)pyrene	n/a	=	101	%	EPA 625.1	-88	-88	32	148	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Benzo(a)pyrene	n/a	=	0.4	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-1	Lab	LCS	12/11/2019	Organic	Benzo(a)pyrene	n/a	=	5.24	µg/L	EPA 525.2	0.07	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Organic	Benzo(a)pyrene	n/a	=	105	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS dup	12/11/2019	Organic	Benzo(a)pyrene	n/a	=	4.78	µg/L	EPA 525.2	0.07	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Organic	Benzo(a)pyrene	n/a	=	96	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Organic	Benzo(a)pyrene	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-1	Lab	LCS	12/12/2019	Organic	Benzo(a)pyrene	n/a	=	4.78	µg/L	EPA 525.2	0.07	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Organic	Benzo(a)pyrene	n/a	=	96	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS dup	12/12/2019	Organic	Benzo(a)pyrene	n/a	=	4.51	µg/L	EPA 525.2	0.07	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Organic	Benzo(a)pyrene	n/a	=	90	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Benzo(a)pyrene	n/a	=	9.33	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Benzo(a)pyrene	n/a	=	93	%	EPA 8270C	-88	-88	12	131	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Benzo(a)pyrene	n/a	=	10.7	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Benzo(a)pyrene	n/a	=	107	%	EPA 8270C	-88	-88	12	131	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Benzo(a)pyrene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Benzo(b)fluoranthene	n/a	=	26.4	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Benzo(b)fluoranthene	n/a	=	106	%	EPA 625.1	-88	-88	42	140	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Benzo(b)fluoranthene	n/a	=	25.9	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Benzo(b)fluoranthene	n/a	=	104	%	EPA 625.1	-88	-88	42	140	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Benzo(b)fluoranthene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	method blank	12/20/2019	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Benzo(b)fluoranthene	n/a	=	9.68	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Benzo(b)fluoranthene	n/a	=	97	%	EPA 8270C	-88	-88	19	129	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Benzo(b)fluoranthene	n/a	=	10.8	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Benzo(b)fluoranthene	n/a	=	108	%	EPA 8270C	-88	-88	19	129	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Benzo(b)fluoranthene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2			
2019/20-1	Lab	LCS	12/9/2019	Organic	Benzo(g,h,i)perylene	n/a	=	26.4	µg/L	EPA 625.1	0.42	2			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Benzo(g,h,i)perylene	n/a	=	106	%	EPA 625.1	-88	-88	0.1	195	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Benzo(g,h,i)perylene	n/a	=	27	µg/L	EPA 625.1	0.42	2			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Benzo(g,h,i)perylene	n/a	=	108	%	EPA 625.1	-88	-88	0.1	195	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Benzo(g,h,i)perylene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Benzo(g,h,i)perylene	n/a	=	9.7	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Benzo(g,h,i)perylene	n/a	=	97	%	EPA 8270C	-88	-88	14	139	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Benzo(g,h,i)perylene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Benzo(g,h,i)perylene	n/a	=	105	%	EPA 8270C	-88	-88	14	139	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Benzo(g,h,i)perylene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Benzo(k)fluoranthene	n/a	=	25.1	µg/L	EPA 625.1	0.22	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Benzo(k)fluoranthene	n/a	=	100	%	EPA 625.1	-88	-88	25	146	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Benzo(k)fluoranthene	n/a	=	25.8	µg/L	EPA 625.1	0.22	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Benzo(k)fluoranthene	n/a	=	103	%	EPA 625.1	-88	-88	25	146	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Benzo(k)fluoranthene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Benzo(k)fluoranthene	n/a	=	9.15	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Benzo(k)fluoranthene	n/a	=	92	%	EPA 8270C	-88	-88	22	127	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Benzo(k)fluoranthene	n/a	=	10.2	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Benzo(k)fluoranthene	n/a	=	102	%	EPA 8270C	-88	-88	22	127	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Benzo(k)fluoranthene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.8	µg/L	EPA 625.1	0.25	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	87	%	EPA 625.1	-88	-88	49	165	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.4	µg/L	EPA 625.1	0.25	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	81	%	EPA 625.1	-88	-88	49	165	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	19.1	µg/L	EPA 625.1	0.27	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	77	%	EPA 625.1	-88	-88	43	126	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	17.6	µg/L	EPA 625.1	0.27	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	70	%	EPA 625.1	-88	-88	43	126	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	25.7	µg/L	EPA 625.1	0.38	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	103	%	EPA 625.1	-88	-88	63	139	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	23.5	µg/L	EPA 625.1	0.38	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	94	%	EPA 625.1	-88	-88	63	139	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-1	Lab	LCS	12/11/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	3.79	µg/L	EPA 525.2	0.1	5			
2019/20-1	Lab	LCS, rec	12/11/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	76	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.09	µg/L	EPA 525.2	0.1	5			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	82	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-1	Lab	LCS	12/12/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.17	µg/L	EPA 525.2	0.1	5			
2019/20-1	Lab	LCS, rec	12/12/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	83	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.28	µg/L	EPA 525.2	0.1	5			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5			
2019/20-1	Lab	LCS	12/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27.6	µg/L	EPA 625.1	2.3	5			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	110	%	EPA 625.1	-88	-88	29	137	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28.1	µg/L	EPA 625.1	2.3	5			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	113	%	EPA 625.1	-88	-88	29	137	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-1	Lab	LCS	12/11/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.15	µg/L	EPA 525.2	1.1	3			
2019/20-1	Lab	LCS, rec	12/11/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	83	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.38	µg/L	EPA 525.2	1.1	3			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	88	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-1	Lab	LCS	12/12/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.86	µg/L	EPA 525.2	1.1	3			
2019/20-1	Lab	LCS, rec	12/12/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.57	µg/L	EPA 525.2	1.1	3			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	91	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Butyl benzyl phthalate	n/a	=	27.5	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Butyl benzyl phthalate	n/a	=	110	%	EPA 625.1	-88	-88	0.1	140	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Butyl benzyl phthalate	n/a	=	27.6	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Butyl benzyl phthalate	n/a	=	110	%	EPA 625.1	-88	-88	0.1	140	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Butyl benzyl phthalate	n/a	=	0.3	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Chrysene	n/a	=	25.4	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Chrysene	n/a	=	102	%	EPA 625.1	-88	-88	44	140	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Chrysene	n/a	=	25.7	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Chrysene	n/a	=	103	%	EPA 625.1	-88	-88	44	140	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Chrysene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Chrysene	n/a	=	8.86	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Chrysene	n/a	=	89	%	EPA 8270C	-88	-88	32	126	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Chrysene	n/a	=	9.2	µg/L	EPA 8270C	0.1	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Chrysene	n/a	=	92	%	EPA 8270C	-88	-88	32	126	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Chrysene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2			
2019/20-1	Lab	LCS	12/9/2019	Organic	Dibenz(a,h)anthracene	n/a	=	25.9	µg/L	EPA 625.1	0.53	2			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Dibenz(a,h)anthracene	n/a	=	104	%	EPA 625.1	-88	-88	0.1	200	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Dibenz(a,h)anthracene	n/a	=	26	µg/L	EPA 625.1	0.53	2			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Dibenz(a,h)anthracene	n/a	=	104	%	EPA 625.1	-88	-88	0.1	200	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Dibenz(a,h)anthracene	n/a	=	0.5	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Dibenz(a,h)anthracene	n/a	=	9.48	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Dibenz(a,h)anthracene	n/a	=	95	%	EPA 8270C	-88	-88	9	147	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Dibenz(a,h)anthracene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Dibenz(a,h)anthracene	n/a	=	106	%	EPA 8270C	-88	-88	9	147	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Dibenz(a,h)anthracene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Diethyl phthalate	n/a	=	24.5	µg/L	EPA 625.1	0.15	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Diethyl phthalate	n/a	=	98	%	EPA 625.1	-88	-88	0.1	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Diethyl phthalate	n/a	=	24.2	µg/L	EPA 625.1	0.15	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Diethyl phthalate	n/a	=	97	%	EPA 625.1	-88	-88	0.1	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Diethyl phthalate	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Dimethyl phthalate	n/a	=	22.2	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Dimethyl phthalate	n/a	=	89	%	EPA 625.1	-88	-88	0.1	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Dimethyl phthalate	n/a	=	22.1	µg/L	EPA 625.1	0.18	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Dimethyl phthalate	n/a	=	88	%	EPA 625.1	-88	-88	0.1	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Dimethyl phthalate	n/a	=	0.6	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Di-n-butylphthalate	n/a	=	27.6	µg/L	EPA 625.1	0.1	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Di-n-butylphthalate	n/a	=	111	%	EPA 625.1	-88	-88	8	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Di-n-butylphthalate	n/a	=	27.4	µg/L	EPA 625.1	0.1	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Di-n-butylphthalate	n/a	=	110	%	EPA 625.1	-88	-88	8	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Di-n-butylphthalate	n/a	=	0.8	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Di-n-octylphthalate	n/a	=	27.1	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Di-n-octylphthalate	n/a	=	109	%	EPA 625.1	-88	-88	19	132	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Di-n-octylphthalate	n/a	=	27.3	µg/L	EPA 625.1	0.46	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Di-n-octylphthalate	n/a	=	109	%	EPA 625.1	-88	-88	19	132	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Di-n-octylphthalate	n/a	=	0.4	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Fluoranthene	n/a	=	27.8	µg/L	EPA 625.1	0.08	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Fluoranthene	n/a	=	111	%	EPA 625.1	-88	-88	43	121	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Fluoranthene	n/a	=	27.2	µg/L	EPA 625.1	0.08	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Fluoranthene	n/a	=	109	%	EPA 625.1	-88	-88	43	121	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Fluoranthene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Fluoranthene	n/a	=	9.77	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Fluoranthene	n/a	=	98	%	EPA 8270C	-88	-88	22	131	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Fluoranthene	n/a	=	10.5	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Fluoranthene	n/a	=	105	%	EPA 8270C	-88	-88	22	131	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Fluoranthene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Fluorene	n/a	=	23.3	µg/L	EPA 625.1	0.35	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Fluorene	n/a	=	93	%	EPA 625.1	-88	-88	70	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Fluorene	n/a	=	22.7	µg/L	EPA 625.1	0.35	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Fluorene	n/a	=	91	%	EPA 625.1	-88	-88	70	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Fluorene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Fluorene	n/a	=	9.13	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Fluorene	n/a	=	91	%	EPA 8270C	-88	-88	19	122	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Fluorene	n/a	=	8.05	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Fluorene	n/a	=	81	%	EPA 8270C	-88	-88	19	122	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Fluorene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Hexachlorobenzene	n/a	=	23.3	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Hexachlorobenzene	n/a	=	93	%	EPA 625.1	-88	-88	8	142	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Hexachlorobenzene	n/a	=	22.8	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Hexachlorobenzene	n/a	=	91	%	EPA 625.1	-88	-88	8	142	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Hexachlorobenzene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Hexachlorobutadiene	n/a	=	23.2	µg/L	EPA 625.1	0.47	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Hexachlorobutadiene	n/a	=	93	%	EPA 625.1	-88	-88	38	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Hexachlorobutadiene	n/a	=	20.7	µg/L	EPA 625.1	0.47	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Hexachlorobutadiene	n/a	=	83	%	EPA 625.1	-88	-88	38	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Hexachlorobutadiene	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5			
2019/20-1	Lab	LCS	12/9/2019	Organic	Hexachlorocyclopentadiene	n/a	=	11.2	µg/L	EPA 625.1	0.98	5			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Hexachlorocyclopentadiene	n/a	=	45	%	EPA 625.1	-88	-88	10	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Hexachlorocyclopentadiene	n/a	=	10.4	µg/L	EPA 625.1	0.98	5			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Hexachlorocyclopentadiene	n/a	=	42	%	EPA 625.1	-88	-88	10	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Hexachlorocyclopentadiene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Hexachloroethane	n/a	=	20.5	µg/L	EPA 625.1	0.5	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Hexachloroethane	n/a	=	82	%	EPA 625.1	-88	-88	55	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Hexachloroethane	n/a	=	17.9	µg/L	EPA 625.1	0.5	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Hexachloroethane	n/a	=	72	%	EPA 625.1	-88	-88	55	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Hexachloroethane	n/a	=	14	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2			
2019/20-1	Lab	LCS	12/9/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	28.5	µg/L	EPA 625.1	0.55	2			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	114	%	EPA 625.1	-88	-88	0.1	151	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	28.9	µg/L	EPA 625.1	0.55	2			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	116	%	EPA 625.1	-88	-88	0.1	151	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.56	µg/L	EPA 8270C	0.1	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	86	%	EPA 8270C	-88	-88	12	136	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.69	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	97	%	EPA 8270C	-88	-88	12	136	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Isophorone	n/a	=	23.5	µg/L	EPA 625.1	0.21	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Isophorone	n/a	=	94	%	EPA 625.1	-88	-88	47	180	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Isophorone	n/a	=	22.2	µg/L	EPA 625.1	0.21	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Isophorone	n/a	=	89	%	EPA 625.1	-88	-88	47	180	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Isophorone	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	LCS	11/27/2019	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	46.8	µg/L	EPA 624	0.4	1			
2019/20-1	Lab	LCS, rec	11/27/2019	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	94	%	EPA 624	-88	-88	80	128	
2019/20-1	Lab	LCS dup	11/27/2019	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	60.6	µg/L	EPA 624	0.4	1			
2019/20-1	Lab	LCS dup, rec	11/27/2019	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	121	%	EPA 624	-88	-88	80	128	
2019/20-1	Lab	LCS, RPD	11/27/2019	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	26	%	EPA 624	-88	-88	0	25	IL
2019/20-1	Lab	method blank	11/27/2019	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1			
2019/20-1	MO-HUE	field blank	11/28/2019	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1			
2019/20-1	MO-ONX	field duplicate	11/28/2019	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1			
2019/20-1	Lab	method blank	12/9/2019	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Naphthalene	n/a	=	21.1	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Naphthalene	n/a	=	84	%	EPA 625.1	-88	-88	36	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Naphthalene	n/a	=	19.5	µg/L	EPA 625.1	0.49	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Naphthalene	n/a	=	78	%	EPA 625.1	-88	-88	36	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Naphthalene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Naphthalene	n/a	=	7.76	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Naphthalene	n/a	=	78	%	EPA 8270C	-88	-88	12	136	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Naphthalene	n/a	=	6.65	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Naphthalene	n/a	=	66	%	EPA 8270C	-88	-88	12	136	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Naphthalene	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	12/9/2019	Organic	NID (as CTAS)	n/a	=	680	mg/L	SM 5540 D	9.2	80			GB
2019/20-1	000NONPJ	matrix spike dup	12/9/2019	Organic	NID (as CTAS)	n/a	=	489	mg/L	SM 5540 D	9.2	80			GB,IL
2019/20-1	000NONPJ	matrix spike dup, rec	12/9/2019	Organic	NID (as CTAS)	n/a	=	-36	%	SM 5540 D	-88	-88	69	119	GB,IL
2019/20-1	000NONPJ	matrix spike, rec	12/9/2019	Organic	NID (as CTAS)	n/a	=	-12	%	SM 5540 D	-88	-88	69	119	GB
2019/20-1	000NONPJ	matrix spike, RPD	12/9/2019	Organic	NID (as CTAS)	n/a	=	33	%	SM 5540 D	-88	-88	0	20	GB,IL
2019/20-1	Lab	LCS	12/9/2019	Organic	NID (as CTAS)	n/a	=	1.91	mg/L	SM 5540 D	0.023	0.2			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	NID (as CTAS)	n/a	=	95	%	SM 5540 D	-88	-88	72	115	
2019/20-1	Lab	method blank	12/9/2019	Organic	NID (as CTAS)	n/a	<	0.023	mg/L	SM 5540 D	0.023	0.2			
2019/20-1	Lab	method blank	12/9/2019	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Nitrobenzene	n/a	=	20.7	µg/L	EPA 625.1	0.36	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Nitrobenzene	n/a	=	83	%	EPA 625.1	-88	-88	54	158	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Nitrobenzene	n/a	=	19.3	µg/L	EPA 625.1	0.36	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Nitrobenzene	n/a	=	77	%	EPA 625.1	-88	-88	54	158	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Nitrobenzene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	srgt method blank	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	2.94	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 625.1	-88	-88	47	120	
2019/20-1	Lab	srgt LCS	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	18.1	µg/L	EPA 625.1	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	srgt LCS, rec	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625.1	-88	-88	47	120	
2019/20-1	Lab	srgt LCS dup	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	16.5	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 625.1	-88	-88	47	120	
2019/20-1	Lab	srgt method blank	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	2.91	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	
2019/20-1	Lab	srgt LCS	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	4.01	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	80	%	EPA 8270C	-88	-88	51	143	
2019/20-1	Lab	srgt LCS dup	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.55	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 8270C	-88	-88	51	143	
2019/20-1	ME-CC	srgt environ	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	2.55	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 625.1	-88	-88	47	120	
2019/20-1	ME-CC	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	2.72	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2019/20-1	ME-SCR	srgt environ	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	2.79	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 625.1	-88	-88	47	120	
2019/20-1	ME-SCR	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.05	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270C	-88	-88	51	143	
2019/20-1	ME-VR2	srgt environ	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	3.67	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625.1	-88	-88	47	120	
2019/20-1	ME-VR2	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.79	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-CAM	srgt environ	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	2.92	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-CAM	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.61	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-FIL	srgt environ	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	3.36	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-FIL	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.92	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-HUE	srgt environ	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	3.62	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-HUE	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.86	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-MEI	srgt environ	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	3.36	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/9/2019	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-MEI	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.8	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-MPK	srgt environ	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	2.89	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-MPK	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.27	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-OXN	srgt environ	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	3.13	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-OXN	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.74	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-SIM	srgt environ	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	3.01	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 625.1	-88	-88	47	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-SIM	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.51	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-SPA	srgt environ	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	3.32	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-SPA	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	3.75	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-THO	srgt environ	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	2.56	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-THO	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	2.8	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2019/20-1	MO-VEN	srgt environ	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	3.93	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/10/2019	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625.1	-88	-88	47	120	
2019/20-1	MO-VEN	srgt environ	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	4.44	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/20/2019	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 8270C	-88	-88	51	143	
2019/20-1	Lab	method blank	12/9/2019	Organic	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	N-Nitrosodimethylamine	n/a	=	13.5	µg/L	EPA 625.1	0.5	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	N-Nitrosodimethylamine	n/a	=	54	%	EPA 625.1	-88	-88	22	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	N-Nitrosodimethylamine	n/a	=	13	µg/L	EPA 625.1	0.5	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	N-Nitrosodimethylamine	n/a	=	52	%	EPA 625.1	-88	-88	22	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	N-Nitrosodimethylamine	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	23.5	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	94	%	EPA 625.1	-88	-88	14	198	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	21.7	µg/L	EPA 625.1	0.26	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	87	%	EPA 625.1	-88	-88	14	198	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	N-Nitrosodiphenylamine	n/a	=	17.9	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	N-Nitrosodiphenylamine	n/a	=	72	%	EPA 625.1	-88	-88	47	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	N-Nitrosodiphenylamine	n/a	=	17.8	µg/L	EPA 625.1	0.19	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625.1	-88	-88	47	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	N-Nitrosodiphenylamine	n/a	=	0.8	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	srgt method blank	12/11/2019	Organic	Perylene-d12	n/a	=	4.13	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/11/2019	Organic	Perylene-d12	n/a	=	83	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	srgt LCS	12/11/2019	Organic	Perylene-d12	n/a	=	4.94	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/11/2019	Organic	Perylene-d12	n/a	=	99	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	srgt LCS dup	12/11/2019	Organic	Perylene-d12	n/a	=	4.74	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/11/2019	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	srgt method blank	12/12/2019	Organic	Perylene-d12	n/a	=	4.62	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/12/2019	Organic	Perylene-d12	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	srgt LCS	12/12/2019	Organic	Perylene-d12	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/12/2019	Organic	Perylene-d12	n/a	=	103	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	srgt LCS dup	12/12/2019	Organic	Perylene-d12	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/12/2019	Organic	Perylene-d12	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2019/20-1	ME-CC	srgt environ	12/13/2019	Organic	Perylene-d12	n/a	=	53.3	µg/L	EPA 525.2	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/13/2019	Organic	Perylene-d12	n/a	=	53	%	EPA 525.2	-88	-88	50	120	
2019/20-1	ME-SCR	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	57.3	µg/L	EPA 525.2	-88	-88			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-SCR	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	57	%	EPA 525.2	-88	-88	50	120	
2019/20-1	ME-VR2	srgt environ	12/11/2019	Organic	Perylene-d12	n/a	=	4.26	µg/L	EPA 525.2	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/11/2019	Organic	Perylene-d12	n/a	=	85	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-CAM	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	59.9	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	60	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-FIL	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	65.4	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	65	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-HUE	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	70.9	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	71	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-MEI	srgt environ	12/11/2019	Organic	Perylene-d12	n/a	=	93.6	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/11/2019	Organic	Perylene-d12	n/a	=	94	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-MPK	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	75.8	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-OXN	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	76.1	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-SIM	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	47.4	µg/L	EPA 525.2	-88	-88			GN
2019/20-1	MO-SIM	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	47	%	EPA 525.2	-88	-88	50	120	GN
2019/20-1	MO-SPA	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	81.9	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-THO	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	66.3	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	66	%	EPA 525.2	-88	-88	50	120	
2019/20-1	MO-VEN	srgt environ	12/12/2019	Organic	Perylene-d12	n/a	=	84.9	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/12/2019	Organic	Perylene-d12	n/a	=	85	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	method blank	12/9/2019	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Phenanthrene	n/a	=	24.9	µg/L	EPA 625.1	0.32	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Phenanthrene	n/a	=	100	%	EPA 625.1	-88	-88	65	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Phenanthrene	n/a	=	24.3	µg/L	EPA 625.1	0.32	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Phenanthrene	n/a	=	97	%	EPA 625.1	-88	-88	65	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Phenanthrene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Phenanthrene	n/a	=	8.64	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Phenanthrene	n/a	=	86	%	EPA 8270C	-88	-88	21	131	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Phenanthrene	n/a	=	8.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Phenanthrene	n/a	=	81	%	EPA 8270C	-88	-88	21	131	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Phenanthrene	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	method blank	12/9/2019	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Phenol	n/a	=	8.01	µg/L	EPA 625.1	0.16	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Phenol	n/a	=	32	%	EPA 625.1	-88	-88	17	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Phenol	n/a	=	7.12	µg/L	EPA 625.1	0.16	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Phenol	n/a	=	28	%	EPA 625.1	-88	-88	17	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Phenol	n/a	=	12	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	1/10/2020	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2019/20-1	Lab	LCS dup	1/10/2020	Organic	Phenol	n/a	=	3.03	µg/L	EPA 8270C	0.35	1			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Organic	Phenol	n/a	=	30	%	EPA 8270C	-88	-88	6	43	
2019/20-1	Lab	LCS, RPD	1/10/2020	Organic	Phenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Organic	Phenol	n/a	=	2.68	µg/L	EPA 8270C	0.35	1			
2019/20-1	Lab	LCS, rec	1/10/2020	Organic	Phenol	n/a	=	27	%	EPA 8270C	-88	-88	6	43	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	srgt method blank	12/9/2019	Organic	Phenol-d5	n/a	=	2.39	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/9/2019	Organic	Phenol-d5	n/a	=	24	%	EPA 625.1	-88	-88	12	120	
2019/20-1	Lab	srgt LCS	12/9/2019	Organic	Phenol-d5	n/a	=	14.7	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/9/2019	Organic	Phenol-d5	n/a	=	29	%	EPA 625.1	-88	-88	12	120	
2019/20-1	Lab	srgt LCS dup	12/9/2019	Organic	Phenol-d5	n/a	=	13	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/9/2019	Organic	Phenol-d5	n/a	=	26	%	EPA 625.1	-88	-88	12	120	
2019/20-1	Lab	srgt method blank	1/10/2020	Organic	Phenol-d5	n/a	=	2.12	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt method blank, rec	1/10/2020	Organic	Phenol-d5	n/a	=	21	%	EPA 8270C	-88	-88	5	46	
2019/20-1	Lab	srgt LCS dup	1/10/2020	Organic	Phenol-d5	n/a	=	2.96	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	1/10/2020	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2019/20-1	Lab	srgt LCS	1/10/2020	Organic	Phenol-d5	n/a	=	2.53	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS, rec	1/10/2020	Organic	Phenol-d5	n/a	=	25	%	EPA 8270C	-88	-88	5	46	
2019/20-1	ME-CC	srgt environ	12/9/2019	Organic	Phenol-d5	n/a	=	2.58	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/9/2019	Organic	Phenol-d5	n/a	=	26	%	EPA 625.1	-88	-88	12	120	
2019/20-1	ME-CC	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	2.36	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2019/20-1	ME-SCR	srgt environ	12/9/2019	Organic	Phenol-d5	n/a	=	2.45	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/9/2019	Organic	Phenol-d5	n/a	=	24	%	EPA 625.1	-88	-88	12	120	
2019/20-1	ME-SCR	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	2.39	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2019/20-1	ME-VR2	srgt environ	12/9/2019	Organic	Phenol-d5	n/a	=	2.72	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/9/2019	Organic	Phenol-d5	n/a	=	27	%	EPA 625.1	-88	-88	12	120	
2019/20-1	ME-VR2	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	2.85	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	29	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-CAM	srgt environ	12/9/2019	Organic	Phenol-d5	n/a	=	2.86	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/9/2019	Organic	Phenol-d5	n/a	=	29	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-CAM	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.42	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	34	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-FIL	srgt environ	12/10/2019	Organic	Phenol-d5	n/a	=	2.84	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/10/2019	Organic	Phenol-d5	n/a	=	28	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-FIL	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.37	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	34	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-HUE	srgt environ	12/10/2019	Organic	Phenol-d5	n/a	=	2.98	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/10/2019	Organic	Phenol-d5	n/a	=	30	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-HUE	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.2	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	32	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-MEI	srgt environ	12/9/2019	Organic	Phenol-d5	n/a	=	2.71	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/9/2019	Organic	Phenol-d5	n/a	=	27	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-MEI	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.32	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	33	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-MPK	srgt environ	12/10/2019	Organic	Phenol-d5	n/a	=	2	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/10/2019	Organic	Phenol-d5	n/a	=	19	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-MPK	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.03	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	29	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-oxn	srgt environ	12/10/2019	Organic	Phenol-d5	n/a	=	2.15	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-oxn	srgt environ, rec	12/10/2019	Organic	Phenol-d5	n/a	=	21	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-oxn	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.64	µg/L	EPA 8270C	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-OXN	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-SIM	srgt environ	12/10/2019	Organic	Phenol-d5	n/a	=	2.17	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/10/2019	Organic	Phenol-d5	n/a	=	22	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-SIM	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.29	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	33	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-SPA	srgt environ	12/10/2019	Organic	Phenol-d5	n/a	=	2.98	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/10/2019	Organic	Phenol-d5	n/a	=	30	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-SPA	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.26	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	33	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-THO	srgt environ	12/10/2019	Organic	Phenol-d5	n/a	=	2.06	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/10/2019	Organic	Phenol-d5	n/a	=	21	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-THO	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2019/20-1	MO-VEN	srgt environ	12/10/2019	Organic	Phenol-d5	n/a	=	2.92	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/10/2019	Organic	Phenol-d5	n/a	=	28	%	EPA 625.1	-88	-88	12	120	
2019/20-1	MO-VEN	srgt environ	1/10/2020	Organic	Phenol-d5	n/a	=	3.82	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	1/10/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 8270C	-88	-88	5	46	
2019/20-1	Lab	srgt method blank	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	4.01	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625.1	-88	-88	44	129	
2019/20-1	Lab	srgt LCS	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	23.5	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 625.1	-88	-88	44	129	
2019/20-1	Lab	srgt LCS dup	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	22.8	µg/L	EPA 625.1	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	91	%	EPA 625.1	-88	-88	44	129	
2019/20-1	Lab	srgt method blank	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.93	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	99	%	EPA 8270C	-88	-88	19	134	
2019/20-1	Lab	srgt LCS	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	5.42	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	108	%	EPA 8270C	-88	-88	19	134	
2019/20-1	Lab	srgt LCS dup	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	5.27	µg/L	EPA 8270C	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	105	%	EPA 8270C	-88	-88	19	134	
2019/20-1	ME-CC	srgt environ	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	2.99	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	60	%	EPA 625.1	-88	-88	44	129	
2019/20-1	ME-CC	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	3.64	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 8270C	-88	-88	19	134	
2019/20-1	ME-SCR	srgt environ	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	3.52	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	70	%	EPA 625.1	-88	-88	44	129	
2019/20-1	ME-SCR	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.23	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	85	%	EPA 8270C	-88	-88	19	134	
2019/20-1	ME-VR2	srgt environ	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	4.15	µg/L	EPA 625.1	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625.1	-88	-88	44	129	
2019/20-1	ME-VR2	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	5.72	µg/L	EPA 8270C	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	114	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-CAM	srgt environ	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	4.18	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-CAM	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	5.38	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	108	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-FIL	srgt environ	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	4	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625.1	-88	-88	44	129	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-FIL	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	5.44	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	109	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-HUE	srgt environ	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	4.34	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-HUE	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.81	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-MEI	srgt environ	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	4.1	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/9/2019	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-MEI	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.7	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-MPK	srgt environ	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	3.58	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-MPK	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.58	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-OXN	srgt environ	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	4.02	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-OXN	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.87	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	97	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-SIM	srgt environ	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	3.2	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	64	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-SIM	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.12	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-SPA	srgt environ	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	3.95	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-SPA	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.54	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	91	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-THO	srgt environ	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	2.72	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	54	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-THO	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	3.1	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	
2019/20-1	MO-VEN	srgt environ	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	4.43	µg/L	EPA 625.1	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/10/2019	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625.1	-88	-88	44	129	
2019/20-1	MO-VEN	srgt environ	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	4.94	µg/L	EPA 8270C	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/20/2019	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 8270C	-88	-88	19	134	
2019/20-1	Lab	method blank	12/9/2019	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-1	Lab	LCS	12/9/2019	Organic	Pyrene	n/a	=	29.7	µg/L	EPA 625.1	0.25	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Organic	Pyrene	n/a	=	119	%	EPA 625.1	-88	-88	70	120	
2019/20-1	Lab	LCS dup	12/9/2019	Organic	Pyrene	n/a	=	29.5	µg/L	EPA 625.1	0.25	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Organic	Pyrene	n/a	=	118	%	EPA 625.1	-88	-88	70	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Organic	Pyrene	n/a	=	0.9	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS	12/20/2019	Organic	Pyrene	n/a	=	10.4	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS, rec	12/20/2019	Organic	Pyrene	n/a	=	104	%	EPA 8270C	-88	-88	26	128	
2019/20-1	Lab	LCS dup	12/20/2019	Organic	Pyrene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Organic	Pyrene	n/a	=	106	%	EPA 8270C	-88	-88	26	128	
2019/20-1	Lab	LCS, RPD	12/20/2019	Organic	Pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	srgt method blank	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0745	µg/L	EPA 608.3	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	srgt method blank, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608.3	-88	-88	32	130	
2019/20-1	Lab	srgt LCS	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0875	µg/L	EPA 608.3	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	87	%	EPA 608.3	-88	-88	32	130	
2019/20-1	Lab	srgt LCS dup	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0779	µg/L	EPA 608.3	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	78	%	EPA 608.3	-88	-88	32	130	
2019/20-1	ME-CC	srgt environ	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0571	µg/L	EPA 608.3	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608.3	-88	-88	35	111	
2019/20-1	ME-SCR	srgt environ	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0735	µg/L	EPA 608.3	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608.3	-88	-88	35	111	
2019/20-1	ME-VR2	srgt environ	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.118	µg/L	EPA 608.3	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-CAM	srgt environ	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0499	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	50	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-FIL	srgt environ	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0609	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-HUE	srgt environ	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0589	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-MEI	srgt environ	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0633	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	63	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-MPK	srgt environ	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0568	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-OXN	srgt environ	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0631	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	63	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-SIM	srgt environ	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.067	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	67	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-SPA	srgt environ	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0647	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	65	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-THO	srgt environ	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0611	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/21/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608.3	-88	-88	35	111	
2019/20-1	MO-VEN	srgt environ	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.074	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/20/2019	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608.3	-88	-88	35	111	
2019/20-1	Lab	srgt LCS	11/27/2019	Organic	Toluene-d8	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2019/20-1	Lab	srgt LCS, rec	11/27/2019	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2019/20-1	Lab	srgt LCS dup	11/27/2019	Organic	Toluene-d8	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	11/27/2019	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2019/20-1	Lab	srgt method blank	11/27/2019	Organic	Toluene-d8	n/a	=	48.3	µg/L	EPA 624	-88	-88			
2019/20-1	Lab	srgt method blank, rec	11/27/2019	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2019/20-1	ME-CC	srgt environ	11/27/2019	Organic	Toluene-d8	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	11/27/2019	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2019/20-1	ME-SCR	srgt environ	11/27/2019	Organic	Toluene-d8	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	11/27/2019	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2019/20-1	ME-VR2	srgt environ	11/27/2019	Organic	Toluene-d8	n/a	=	48.3	µg/L	EPA 624	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	11/27/2019	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-CAM	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	47.7	µg/L	EPA 624	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-FIL	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	48	µg/L	EPA 624	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-HUE	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	47.9	µg/L	EPA 624	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-HUE	srgt field blank	11/28/2019	Organic	Toluene-d8	n/a	=	47.2	µg/L	EPA 624	-88	-88			
2019/20-1	MO-HUE	srgt field blank, rec	11/28/2019	Organic	Toluene-d8	n/a	=	94	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-MEI	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	48.9	µg/L	EPA 624	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-MPK	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-OJA	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	47.9	µg/L	EPA 624	-88	-88			
2019/20-1	MO-OJA	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-OXN	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-OXN	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	47.3	µg/L	EPA 624	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-SIM	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	48.3	µg/L	EPA 624	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-SPA	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	46.6	µg/L	EPA 624	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	93	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-THO	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	47.9	µg/L	EPA 624	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2019/20-1	MO-VEN	srgt environ	11/28/2019	Organic	Toluene-d8	n/a	=	47.4	µg/L	EPA 624	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	11/28/2019	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2019/20-1	Lab	srgt method blank	12/4/2019	Organic	Triphenylphosphate	n/a	=	0.547	µg/L	EPA 525.2m	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	Lab	srgt LCS	12/4/2019	Organic	Triphenylphosphate	n/a	=	0.552	µg/L	EPA 525.2m	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	Lab	srgt method blank	12/11/2019	Organic	Triphenylphosphate	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/11/2019	Organic	Triphenylphosphate	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt LCS	12/11/2019	Organic	Triphenylphosphate	n/a	=	4.71	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/11/2019	Organic	Triphenylphosphate	n/a	=	94	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt LCS dup	12/11/2019	Organic	Triphenylphosphate	n/a	=	4.65	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/11/2019	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt method blank	12/12/2019	Organic	Triphenylphosphate	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt LCS	12/12/2019	Organic	Triphenylphosphate	n/a	=	5.29	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt LCS dup	12/12/2019	Organic	Triphenylphosphate	n/a	=	5.33	µg/L	EPA 525.2	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt method blank	12/30/2019	Organic	Triphenylphosphate	n/a	=	0.569	µg/L	EPA 525.2m	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/30/2019	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	Lab	srgt LCS	12/30/2019	Organic	Triphenylphosphate	n/a	=	0.552	µg/L	EPA 525.2m	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/30/2019	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	ME-CC	srgt matrix spike dup	12/4/2019	Organic	Triphenylphosphate	n/a	=	19.9	µg/L	EPA 525.2m	-88	-88			GN
2019/20-1	ME-CC	srgt matrix spike dup, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	199	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-1	ME-CC	srgt matrix spike	12/4/2019	Organic	Triphenylphosphate	n/a	=	18	µg/L	EPA 525.2m	-88	-88			GN
2019/20-1	ME-CC	srgt matrix spike, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	180	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-1	ME-CC	srgt environ	12/5/2019	Organic	Triphenylphosphate	n/a	=	21.1	µg/L	EPA 525.2m	-88	-88			GN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-CC	srgt environ, rec	12/5/2019	Organic	Triphenylphosphate	n/a	=	211	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-1	ME-CC	srgt environ	12/13/2019	Organic	Triphenylphosphate	n/a	=	137	µg/L	EPA 525.2	-88	-88			GN
2019/20-1	ME-CC	srgt environ, rec	12/13/2019	Organic	Triphenylphosphate	n/a	=	137	%	EPA 525.2	-88	-88	70	130	GN
2019/20-1	ME-SCR	srgt environ	12/4/2019	Organic	Triphenylphosphate	n/a	=	9.97	µg/L	EPA 525.2m	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	ME-SCR	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	131	µg/L	EPA 525.2	-88	-88			GN
2019/20-1	ME-SCR	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2	-88	-88	70	130	GN
2019/20-1	ME-VR2	srgt environ	12/4/2019	Organic	Triphenylphosphate	n/a	=	2.63	µg/L	EPA 525.2m	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	ME-VR2	srgt environ	12/11/2019	Organic	Triphenylphosphate	n/a	=	4.94	µg/L	EPA 525.2	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/11/2019	Organic	Triphenylphosphate	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-CAM	srgt environ	12/4/2019	Organic	Triphenylphosphate	n/a	=	3.37	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	135	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	MO-CAM	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	94.6	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-FIL	srgt environ	12/4/2019	Organic	Triphenylphosphate	n/a	=	1.03	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	MO-FIL	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	105	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-HUE	srgt environ	12/5/2019	Organic	Triphenylphosphate	n/a	=	1.26	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/5/2019	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	MO-HUE	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	118	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-MEI	srgt environ	12/4/2019	Organic	Triphenylphosphate	n/a	=	12.2	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	MO-MEI	srgt environ	12/11/2019	Organic	Triphenylphosphate	n/a	=	125	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/11/2019	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-MPK	srgt environ	12/5/2019	Organic	Triphenylphosphate	n/a	=	26.2	µg/L	EPA 525.2m	-88	-88			GN
2019/20-1	MO-MPK	srgt environ, rec	12/5/2019	Organic	Triphenylphosphate	n/a	=	262	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-1	MO-MPK	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	104	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-OXN	srgt environ	12/5/2019	Organic	Triphenylphosphate	n/a	=	1.04	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/5/2019	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	MO-OXN	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	105	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-SIM	srgt environ	12/5/2019	Organic	Triphenylphosphate	n/a	=	15.1	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/5/2019	Organic	Triphenylphosphate	n/a	=	151	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	MO-SIM	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	116	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-SPA	srgt environ	12/4/2019	Organic	Triphenylphosphate	n/a	=	1.2	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	MO-SPA	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	104	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-1	MO-THO	srgt environ	12/5/2019	Organic	Triphenylphosphate	n/a	=	22.9	µg/L	EPA 525.2m	-88	-88			GN
2019/20-1	MO-THO	srgt environ, rec	12/5/2019	Organic	Triphenylphosphate	n/a	=	229	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-1	MO-THO	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	111	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	MO-VEN	srgt environ	12/4/2019	Organic	Triphenylphosphate	n/a	=	3.06	µg/L	EPA 525.2m	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/4/2019	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2m	-88	-88	40	163	
2019/20-1	MO-VEN	srgt environ	12/12/2019	Organic	Triphenylphosphate	n/a	=	112	µg/L	EPA 525.2	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/12/2019	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	srgt method blank	12/20/2019	PCB	PCB 209	n/a	=	0.0908	µg/L	EPA 608.3	-88	-88			
2019/20-1	Lab	srgt method blank, rec	12/20/2019	PCB	PCB 209	n/a	=	91	%	EPA 608.3	-88	-88	33	133	
2019/20-1	Lab	srgt LCS	12/20/2019	PCB	PCB 209	n/a	=	0.104	µg/L	EPA 608.3	-88	-88			
2019/20-1	Lab	srgt LCS, rec	12/20/2019	PCB	PCB 209	n/a	=	104	%	EPA 608.3	-88	-88	33	133	
2019/20-1	Lab	srgt LCS dup	12/20/2019	PCB	PCB 209	n/a	=	0.0984	µg/L	EPA 608.3	-88	-88			
2019/20-1	Lab	srgt LCS dup, rec	12/20/2019	PCB	PCB 209	n/a	=	98	%	EPA 608.3	-88	-88	33	133	
2019/20-1	ME-CC	srgt environ	12/20/2019	PCB	PCB 209	n/a	=	0.0649	µg/L	EPA 608.3	-88	-88			
2019/20-1	ME-CC	srgt environ, rec	12/20/2019	PCB	PCB 209	n/a	=	65	%	EPA 608.3	-88	-88	34	125	
2019/20-1	ME-SCR	srgt environ	12/20/2019	PCB	PCB 209	n/a	=	0.0933	µg/L	EPA 608.3	-88	-88			
2019/20-1	ME-SCR	srgt environ, rec	12/20/2019	PCB	PCB 209	n/a	=	93	%	EPA 608.3	-88	-88	34	125	
2019/20-1	ME-VR2	srgt environ	12/20/2019	PCB	PCB 209	n/a	=	0.149	µg/L	EPA 608.3	-88	-88			
2019/20-1	ME-VR2	srgt environ, rec	12/20/2019	PCB	PCB 209	n/a	=	75	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-CAM	srgt environ	12/20/2019	PCB	PCB 209	n/a	=	0.0516	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-CAM	srgt environ, rec	12/20/2019	PCB	PCB 209	n/a	=	52	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-FIL	srgt environ	12/21/2019	PCB	PCB 209	n/a	=	0.0665	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-FIL	srgt environ, rec	12/21/2019	PCB	PCB 209	n/a	=	67	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-HUE	srgt environ	12/21/2019	PCB	PCB 209	n/a	=	0.0721	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-HUE	srgt environ, rec	12/21/2019	PCB	PCB 209	n/a	=	72	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-MEI	srgt environ	12/20/2019	PCB	PCB 209	n/a	=	0.0501	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-MEI	srgt environ, rec	12/20/2019	PCB	PCB 209	n/a	=	50	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-MPK	srgt environ	12/21/2019	PCB	PCB 209	n/a	=	0.0706	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-MPK	srgt environ, rec	12/21/2019	PCB	PCB 209	n/a	=	71	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-OXN	srgt environ	12/21/2019	PCB	PCB 209	n/a	=	0.0445	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-OXN	srgt environ, rec	12/21/2019	PCB	PCB 209	n/a	=	44	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-SIM	srgt environ	12/21/2019	PCB	PCB 209	n/a	=	0.0771	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-SIM	srgt environ, rec	12/21/2019	PCB	PCB 209	n/a	=	77	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-SPA	srgt environ	12/21/2019	PCB	PCB 209	n/a	=	0.0504	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-SPA	srgt environ, rec	12/21/2019	PCB	PCB 209	n/a	=	50	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-THO	srgt environ	12/21/2019	PCB	PCB 209	n/a	=	0.0742	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-THO	srgt environ, rec	12/21/2019	PCB	PCB 209	n/a	=	74	%	EPA 608.3	-88	-88	34	125	
2019/20-1	MO-VEN	srgt environ	12/20/2019	PCB	PCB 209	n/a	=	0.0681	µg/L	EPA 608.3	-88	-88			
2019/20-1	MO-VEN	srgt environ, rec	12/20/2019	PCB	PCB 209	n/a	=	68	%	EPA 608.3	-88	-88	34	125	
2019/20-1	Lab	method blank	12/20/2019	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-1	Lab	method blank	12/20/2019	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-1	Lab	method blank	12/20/2019	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-1	Lab	method blank	12/20/2019	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-1	Lab	method blank	12/20/2019	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-1	Lab	method blank	12/20/2019	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			
2019/20-1	Lab	method blank	12/20/2019	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-1	Lab	method blank	12/12/2019	Pesticide	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	2,4,5-T	n/a	=	3.54	µg/L	EPA 515.4	0.055	0.2			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	2,4,5-T	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	2,4,5-T	n/a	=	3.7	µg/L	EPA 515.4	0.055	0.2			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	2,4,5-T	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	2,4,5-T	n/a	=	3.77	µg/L	EPA 515.4	0.055	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	2,4,5-T	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	2,4,5-T	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	2,4,5-TP	n/a	=	3.6	µg/L	EPA 515.4	0.046	0.2			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	2,4,5-TP	n/a	=	3.65	µg/L	EPA 515.4	0.046	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	2,4,5-TP	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	2,4,5-TP	n/a	=	3.81	µg/L	EPA 515.4	0.046	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	2,4,5-TP	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	2,4,5-TP	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	2,4-D	n/a	=	7.12	µg/L	EPA 515.4	0.14	0.4			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	2,4-D	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	2,4-D	n/a	=	7.65	µg/L	EPA 515.4	0.14	0.4			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	2,4-D	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	2,4-D	n/a	=	7.6	µg/L	EPA 515.4	0.14	0.4			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	2,4-D	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	2,4-D	n/a	=	0.6	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	2,4-DB	n/a	=	13.8	µg/L	EPA 515.4	0.19	2			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	2,4-DB	n/a	=	86	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	2,4-DB	n/a	=	16.6	µg/L	EPA 515.4	0.19	2			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	2,4-DB	n/a	=	104	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	2,4-DB	n/a	=	16.9	µg/L	EPA 515.4	0.19	2			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	2,4-DB	n/a	=	106	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	2,4-DB	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.63	µg/L	EPA 515.4	0.12	1			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.83	µg/L	EPA 515.4	0.12	1			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.41	µg/L	EPA 515.4	0.12	1			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	4,4'-DDD	n/a	=	0.0825	µg/L	EPA 608.3	0.0007	0.05			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	4,4'-DDD	n/a	=	83	%	EPA 608.3	-88	-88	48	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	4,4'-DDD	n/a	=	0.0844	µg/L	EPA 608.3	0.0007	0.05			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	4,4'-DDD	n/a	=	84	%	EPA 608.3	-88	-88	48	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	4,4'-DDD	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	4,4'-DDE	n/a	=	0.0875	µg/L	EPA 608.3	0.0007	0.05			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	4,4'-DDE	n/a	=	87	%	EPA 608.3	-88	-88	54	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	4,4'-DDE	n/a	=	0.0875	µg/L	EPA 608.3	0.0007	0.05			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	4,4'-DDE	n/a	=	87	%	EPA 608.3	-88	-88	54	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	4,4'-DDE	n/a	=	0.03	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	4,4'-DDT	n/a	=	0.0832	µg/L	EPA 608.3	0.0011	0.01			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	4,4'-DDT	n/a	=	83	%	EPA 608.3	-88	-88	46	137	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	4,4'-DDT	n/a	=	0.0846	µg/L	EPA 608.3	0.0011	0.01			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	4,4'-DDT	n/a	=	85	%	EPA 608.3	-88	-88	46	137	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	4,4'-DDT	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	Acifluorfen	n/a	=	3.86	µg/L	EPA 515.4	0.072	0.4			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	Acifluorfen	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	Acifluorfen	n/a	=	4.34	µg/L	EPA 515.4	0.072	0.4			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	Acifluorfen	n/a	=	108	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	Acifluorfen	n/a	=	4.41	µg/L	EPA 515.4	0.072	0.4			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	Acifluorfen	n/a	=	110	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	Acifluorfen	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Alachlor	n/a	=	5.49	µg/L	EPA 525.2	0.022	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Alachlor	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Alachlor	n/a	=	5.78	µg/L	EPA 525.2	0.022	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Alachlor	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Alachlor	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Alachlor	n/a	=	5.68	µg/L	EPA 525.2	0.022	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Alachlor	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Alachlor	n/a	=	5.56	µg/L	EPA 525.2	0.022	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Alachlor	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Aldrin	n/a	=	0.0801	µg/L	EPA 608.3	0.001	0.005			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Aldrin	n/a	=	80	%	EPA 608.3	-88	-88	54	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Aldrin	n/a	=	0.0779	µg/L	EPA 608.3	0.001	0.005			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Aldrin	n/a	=	78	%	EPA 608.3	-88	-88	54	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Aldrin	n/a	=	3	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	alpha-BHC	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	alpha-BHC	n/a	=	0.0752	µg/L	EPA 608.3	0.0011	0.01			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	alpha-BHC	n/a	=	75	%	EPA 608.3	-88	-88	49	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	alpha-BHC	n/a	=	0.0738	µg/L	EPA 608.3	0.0011	0.01			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	alpha-BHC	n/a	=	74	%	EPA 608.3	-88	-88	49	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	alpha-BHC	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Atrazine	n/a	=	4.32	µg/L	EPA 525.2	0.034	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Atrazine	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Atrazine	n/a	=	3.64	µg/L	EPA 525.2	0.034	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Atrazine	n/a	=	73	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Atrazine	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Atrazine	n/a	=	5.22	µg/L	EPA 525.2	0.034	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Atrazine	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Atrazine	n/a	=	5.94	µg/L	EPA 525.2	0.034	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Atrazine	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Atrazine	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Azinphos methyl	n/a	=	0.112	µg/L	EPA 525.2m	0.0055	0.01			EUM
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Azinphos methyl	n/a	=	225	%	EPA 525.2m	-88	-88	0.1	188	EUM
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Azinphos methyl	n/a	=	4.25	µg/L	EPA 525.2m	0.11	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Azinphos methyl	n/a	=	425	%	EPA 525.2m	-88	-88	0.1	154	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Azinphos methyl	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Azinphos methyl	n/a	=	3.8	µg/L	EPA 525.2m	0.11	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Azinphos methyl	n/a	=	380	%	EPA 525.2m	-88	-88	0.1	154	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	Bentazon	n/a	=	14.2	µg/L	EPA 515.4	0.23	2			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	Bentazon	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	Bentazon	n/a	=	14.6	µg/L	EPA 515.4	0.23	2			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	Bentazon	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	Bentazon	n/a	=	15.5	µg/L	EPA 515.4	0.23	2			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	Bentazon	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	Bentazon	n/a	=	6	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	beta-BHC	n/a	=	0.0796	µg/L	EPA 608.3	0.0015	0.005			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	beta-BHC	n/a	=	80	%	EPA 608.3	-88	-88	39	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	beta-BHC	n/a	=	0.0836	µg/L	EPA 608.3	0.0015	0.005			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	beta-BHC	n/a	=	84	%	EPA 608.3	-88	-88	39	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	beta-BHC	n/a	=	5	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Bolstar	n/a	=	0.0306	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Bolstar	n/a	=	61	%	EPA 525.2m	-88	-88	11	166	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Bolstar	n/a	=	1.49	µg/L	EPA 525.2m	0.092	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Bolstar	n/a	=	149	%	EPA 525.2m	-88	-88	4	184	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Bolstar	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Bolstar	n/a	=	1.28	µg/L	EPA 525.2m	0.092	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Bolstar	n/a	=	128	%	EPA 525.2m	-88	-88	4	184	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Bromacil	n/a	=	4.45	µg/L	EPA 525.2	0.038	1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Bromacil	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Bromacil	n/a	=	4.5	µg/L	EPA 525.2	0.038	1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Bromacil	n/a	=	90	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Bromacil	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Bromacil	n/a	=	5.61	µg/L	EPA 525.2	0.038	1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Bromacil	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Bromacil	n/a	=	4.73	µg/L	EPA 525.2	0.038	1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Bromacil	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Bromacil	n/a	=	17	%	EPA 525.2	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Butachlor	n/a	=	5.91	µg/L	EPA 525.2	0.017	0.2			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Butachlor	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Butachlor	n/a	=	5.18	µg/L	EPA 525.2	0.017	0.2			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Butachlor	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Butachlor	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Butachlor	n/a	=	7.08	µg/L	EPA 525.2	0.017	0.2			EUM
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Butachlor	n/a	=	142	%	EPA 525.2	-88	-88	70	130	EUM
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Butachlor	n/a	=	5.65	µg/L	EPA 525.2	0.017	0.2			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Butachlor	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Butachlor	n/a	=	23	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Captan	n/a	=	3.95	µg/L	EPA 525.2	0.86	1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Captan	n/a	=	79	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Captan	n/a	=	3.97	µg/L	EPA 525.2	0.86	1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Captan	n/a	=	79	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Captan	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Captan	n/a	=	6.19	µg/L	EPA 525.2	0.86	1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Captan	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Captan	n/a	=	4.91	µg/L	EPA 525.2	0.86	1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Captan	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Captan	n/a	=	23	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Chlorpropham	n/a	=	4.38	µg/L	EPA 525.2	0.01	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Chlorpropham	n/a	=	88	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Chlorpropham	n/a	=	4.28	µg/L	EPA 525.2	0.01	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Chlorpropham	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Chlorpropham	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Chlorpropham	n/a	=	4.94	µg/L	EPA 525.2	0.01	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Chlorpropham	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Chlorpropham	n/a	=	6.41	µg/L	EPA 525.2	0.01	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Chlorpropham	n/a	=	128	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Chlorpropham	n/a	=	26	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Chlorpyrifos	n/a	=	0.0482	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Chlorpyrifos	n/a	=	96	%	EPA 525.2m	-88	-88	37	169	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Chlorpyrifos	n/a	=	1.13	µg/L	EPA 525.2m	0.14	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Chlorpyrifos	n/a	=	113	%	EPA 525.2m	-88	-88	37	168	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Chlorpyrifos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Chlorpyrifos	n/a	=	1.16	µg/L	EPA 525.2m	0.14	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Chlorpyrifos	n/a	=	116	%	EPA 525.2m	-88	-88	37	168	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Coumaphos	n/a	=	0.0659	µg/L	EPA 525.2m	0.0051	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Coumaphos	n/a	=	132	%	EPA 525.2m	-88	-88	0.1	225	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Coumaphos	n/a	=	2.4	µg/L	EPA 525.2m	0.1	0.2			GB
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Coumaphos	n/a	=	240	%	EPA 525.2m	-88	-88	0.1	203	GB
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Coumaphos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Coumaphos	n/a	=	2.23	µg/L	EPA 525.2m	0.1	0.2			GB
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Coumaphos	n/a	=	223	%	EPA 525.2m	-88	-88	0.1	203	GB
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Cyanazine	n/a	=	4.17	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Cyanazine	n/a	=	83	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Cyanazine	n/a	=	4.15	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Cyanazine	n/a	=	83	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Cyanazine	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Cyanazine	n/a	=	5.01	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Cyanazine	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Cyanazine	n/a	=	4.86	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Cyanazine	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	Dalapon	n/a	=	7.55	µg/L	EPA 515.4	0.11	0.4			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	Dalapon	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	Dalapon	n/a	=	6.92	µg/L	EPA 515.4	0.11	0.4			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	Dalapon	n/a	=	87	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	Dalapon	n/a	=	6.52	µg/L	EPA 515.4	0.11	0.4			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	Dalapon	n/a	=	81	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	Dalapon	n/a	=	6	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	DCPA (Dacthal)	n/a	=	3.51	µg/L	EPA 515.4	0.053	0.1			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	DCPA (Dacthal)	n/a	=	88	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	DCPA (Dacthal)	n/a	=	4.42	µg/L	EPA 515.4	0.053	0.1			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	DCPA (Dacthal)	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	DCPA (Dacthal)	n/a	=	4.25	µg/L	EPA 515.4	0.053	0.1			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	DCPA (Dacthal)	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	delta-BHC	n/a	=	0.0712	µg/L	EPA 608.3	0.0019	0.005			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	delta-BHC	n/a	=	71	%	EPA 608.3	-88	-88	51	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	delta-BHC	n/a	=	0.0827	µg/L	EPA 608.3	0.0019	0.005			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	delta-BHC	n/a	=	83	%	EPA 608.3	-88	-88	51	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	delta-BHC	n/a	=	15	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Demeton-O	n/a	=	0.0387	µg/L	EPA 525.2m	0.01	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Demeton-O	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	211	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Demeton-O	n/a	=	0.754	µg/L	EPA 525.2m	0.2	0.2			IL
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Demeton-O	n/a	=	75	%	EPA 525.2m	-88	-88	0.1	208	IL
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Demeton-O	n/a	=	33	%	EPA 525.2m	-88	-88	0	30	IL
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Demeton-O	n/a	=	1.05	µg/L	EPA 525.2m	0.2	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Demeton-O	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Demeton-S	n/a	=	0.0513	µg/L	EPA 525.2m	0.01	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Demeton-S	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	213	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Demeton-S	n/a	=	1.39	µg/L	EPA 525.2m	0.2	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Demeton-S	n/a	=	139	%	EPA 525.2m	-88	-88	0.1	207	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Demeton-S	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Demeton-S	n/a	=	1.56	µg/L	EPA 525.2m	0.2	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Demeton-S	n/a	=	156	%	EPA 525.2m	-88	-88	0.1	207	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Diazinon	n/a	=	0.039	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Diazinon	n/a	=	78	%	EPA 525.2m	-88	-88	43	152	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Diazinon	n/a	=	4.76	µg/L	EPA 525.2	0.096	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Diazinon	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Diazinon	n/a	=	4.06	µg/L	EPA 525.2	0.096	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Diazinon	n/a	=	81	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Diazinon	n/a	=	16	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Diazinon	n/a	=	3.97	µg/L	EPA 525.2	0.096	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Diazinon	n/a	=	79	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Diazinon	n/a	=	4.73	µg/L	EPA 525.2	0.096	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Diazinon	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Diazinon	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Diazinon	n/a	=	0.647	µg/L	EPA 525.2m	0.1	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Diazinon	n/a	=	65	%	EPA 525.2m	-88	-88	36	153	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Diazinon	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Diazinon	n/a	=	0.801	µg/L	EPA 525.2m	0.1	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Diazinon	n/a	=	80	%	EPA 525.2m	-88	-88	36	153	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	Dicamba	n/a	=	7.29	µg/L	EPA 515.4	0.075	0.6			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	Dicamba	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	Dicamba	n/a	=	7.45	µg/L	EPA 515.4	0.075	0.6			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	Dicamba	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	Dicamba	n/a	=	7.75	µg/L	EPA 515.4	0.075	0.6			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	Dicamba	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	Dicamba	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	Dichlorprop	n/a	=	7.3	µg/L	EPA 515.4	0.12	0.3			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	Dichlorprop	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	Dichlorprop	n/a	=	7.32	µg/L	EPA 515.4	0.12	0.3			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	Dichlorprop	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	Dichlorprop	n/a	=	7.56	µg/L	EPA 515.4	0.12	0.3			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	Dichlorprop	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	Dichlorprop	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Dichlorvos	n/a	=	0.0644	µg/L	EPA 525.2m	0.0029	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Dichlorvos	n/a	=	129	%	EPA 525.2m	-88	-88	46	133	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Dichlorvos	n/a	=	1.38	µg/L	EPA 525.2m	0.058	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Dichlorvos	n/a	=	132	%	EPA 525.2m	-88	-88	42	137	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Dichlorvos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Dichlorvos	n/a	=	1.45	µg/L	EPA 525.2m	0.058	0.2			GB
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Dichlorvos	n/a	=	139	%	EPA 525.2m	-88	-88	42	137	GB
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Dieldrin	n/a	=	0.0851	µg/L	EPA 608.3	0.0008	0.01			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Dieldrin	n/a	=	85	%	EPA 608.3	-88	-88	58	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Dieldrin	n/a	=	0.0854	µg/L	EPA 608.3	0.0008	0.01			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Dieldrin	n/a	=	85	%	EPA 608.3	-88	-88	58	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Dieldrin	n/a	=	0.3	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Dimethoate	n/a	=	0.0464	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Dimethoate	n/a	=	93	%	EPA 525.2m	-88	-88	10	234	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Dimethoate	n/a	=	2.88	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Dimethoate	n/a	=	58	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Dimethoate	n/a	=	3.2	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Dimethoate	n/a	=	64	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Dimethoate	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Dimethoate	n/a	=	1.32	µg/L	EPA 525.2	0.024	0.2			EUM
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Dimethoate	n/a	=	26	%	EPA 525.2	-88	-88	50	120	EUM
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Dimethoate	n/a	=	1.63	µg/L	EPA 525.2	0.024	0.2			EUM
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Dimethoate	n/a	=	33	%	EPA 525.2	-88	-88	50	120	EUM
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Dimethoate	n/a	=	21	%	EPA 525.2	-88	-88	0	30	EUM
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Dimethoate	n/a	=	1.52	µg/L	EPA 525.2m	0.12	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Dimethoate	n/a	=	152	%	EPA 525.2m	-88	-88	4	222	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Dimethoate	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Dimethoate	n/a	=	1.49	µg/L	EPA 525.2m	0.12	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Dimethoate	n/a	=	149	%	EPA 525.2m	-88	-88	4	222	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	Dinoseb	n/a	=	3.51	µg/L	EPA 515.4	0.055	0.4			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	Dinoseb	n/a	=	88	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	Dinoseb	n/a	=	3.46	µg/L	EPA 515.4	0.055	0.4			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	Dinoseb	n/a	=	86	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	Dinoseb	n/a	=	3.62	µg/L	EPA 515.4	0.055	0.4			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	Dinoseb	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	Dinoseb	n/a	=	5	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Diphenamid	n/a	=	4.51	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Diphenamid	n/a	=	90	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Diphenamid	n/a	=	4.78	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Diphenamid	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Diphenamid	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Diphenamid	n/a	=	4.92	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Diphenamid	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Diphenamid	n/a	=	4.97	µg/L	EPA 525.2	0.024	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Diphenamid	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Diphenamid	n/a	=	0.9	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Disulfoton	n/a	=	0.0203	µg/L	EPA 525.2m	0.01	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Disulfoton	n/a	=	41	%	EPA 525.2m	-88	-88	0.1	212	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Disulfoton	n/a	=	3.98	µg/L	EPA 525.2	0.031	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Disulfoton	n/a	=	80	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Disulfoton	n/a	=	4.63	µg/L	EPA 525.2	0.031	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Disulfoton	n/a	=	93	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Disulfoton	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Disulfoton	n/a	=	4.26	µg/L	EPA 525.2	0.031	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Disulfoton	n/a	=	85	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Disulfoton	n/a	=	4.62	µg/L	EPA 525.2	0.031	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Disulfoton	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Disulfoton	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Disulfoton	n/a	=	0.624	µg/L	EPA 525.2m	0.2	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Disulfoton	n/a	=	62	%	EPA 525.2m	-88	-88	12	199	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Disulfoton	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Disulfoton	n/a	=	0.612	µg/L	EPA 525.2m	0.2	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Disulfoton	n/a	=	61	%	EPA 525.2m	-88	-88	12	199	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Endosulfan I	n/a	=	0.0769	µg/L	EPA 608.3	0.0009	0.02			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Endosulfan I	n/a	=	77	%	EPA 608.3	-88	-88	57	141	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Endosulfan I	n/a	=	0.0768	µg/L	EPA 608.3	0.0009	0.02			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Endosulfan I	n/a	=	77	%	EPA 608.3	-88	-88	57	141	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Endosulfan I	n/a	=	0.2	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Endosulfan II	n/a	=	0.0826	µg/L	EPA 608.3	0.0007	0.01			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Endosulfan II	n/a	=	83	%	EPA 608.3	-88	-88	22	171	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Endosulfan II	n/a	=	0.087	µg/L	EPA 608.3	0.0007	0.01			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Endosulfan II	n/a	=	87	%	EPA 608.3	-88	-88	22	171	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Endosulfan II	n/a	=	5	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Endosulfan sulfate	n/a	=	0.0735	µg/L	EPA 608.3	0.0013	0.05			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Endosulfan sulfate	n/a	=	73	%	EPA 608.3	-88	-88	38	132	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Endosulfan sulfate	n/a	=	0.0861	µg/L	EPA 608.3	0.0013	0.05			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Endosulfan sulfate	n/a	=	86	%	EPA 608.3	-88	-88	38	132	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Endosulfan sulfate	n/a	=	16	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Endrin	n/a	=	0.097	µg/L	EPA 608.3	0.0017	0.01			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Endrin	n/a	=	97	%	EPA 608.3	-88	-88	51	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Endrin	n/a	=	0.0983	µg/L	EPA 608.3	0.0017	0.01			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Endrin	n/a	=	98	%	EPA 608.3	-88	-88	51	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Endrin	n/a	=	1	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Endrin aldehyde	n/a	=	0.0659	µg/L	EPA 608.3	0.0019	0.01			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Endrin aldehyde	n/a	=	66	%	EPA 608.3	-88	-88	18	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Endrin aldehyde	n/a	=	0.0791	µg/L	EPA 608.3	0.0019	0.01			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Endrin aldehyde	n/a	=	79	%	EPA 608.3	-88	-88	18	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Endrin aldehyde	n/a	=	18	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	EPTC	n/a	=	4.29	µg/L	EPA 525.2	0.017	1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	EPTC	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	EPTC	n/a	=	4.05	µg/L	EPA 525.2	0.017	1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	EPTC	n/a	=	81	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	EPTC	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	EPTC	n/a	=	4.09	µg/L	EPA 525.2	0.017	1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	EPTC	n/a	=	82	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	EPTC	n/a	=	4.88	µg/L	EPA 525.2	0.017	1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	EPTC	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	EPTC	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Ethoprop	n/a	=	0.0467	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Ethoprop	n/a	=	93	%	EPA 525.2m	-88	-88	53	163	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Ethoprop	n/a	=	1.03	µg/L	EPA 525.2m	0.13	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Ethoprop	n/a	=	103	%	EPA 525.2m	-88	-88	51	167	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Ethoprop	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Ethoprop	n/a	=	0.991	µg/L	EPA 525.2m	0.13	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Ethoprop	n/a	=	99	%	EPA 525.2m	-88	-88	51	167	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Ethyl parathion	n/a	=	0.0427	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Ethyl parathion	n/a	=	85	%	EPA 525.2m	-88	-88	7	230	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Ethyl parathion	n/a	=	1.04	µg/L	EPA 525.2m	0.11	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Ethyl parathion	n/a	=	104	%	EPA 525.2m	-88	-88	5	229	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Ethyl parathion	n/a	=	0.8	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Ethyl parathion	n/a	=	1.05	µg/L	EPA 525.2m	0.11	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Ethyl parathion	n/a	=	105	%	EPA 525.2m	-88	-88	5	229	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Fensulfothion	n/a	=	0.0781	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Fensulfothion	n/a	=	156	%	EPA 525.2m	-88	-88	0.1	265	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Fensulfothion	n/a	=	3.25	µg/L	EPA 525.2m	0.058	0.2			GB
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Fensulfothion	n/a	=	325	%	EPA 525.2m	-88	-88	0.1	316	GB
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Fensulfothion	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Fensulfothion	n/a	=	2.68	µg/L	EPA 525.2m	0.058	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Fensulfothion	n/a	=	268	%	EPA 525.2m	-88	-88	0.1	316	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Fenthion	n/a	=	0.029	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Fenthion	n/a	=	58	%	EPA 525.2m	-88	-88	20	177	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Fenthion	n/a	=	0.849	µg/L	EPA 525.2m	0.076	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Fenthion	n/a	=	85	%	EPA 525.2m	-88	-88	23	169	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Fenthion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Fenthion	n/a	=	0.867	µg/L	EPA 525.2m	0.076	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Fenthion	n/a	=	87	%	EPA 525.2m	-88	-88	23	169	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0795	µg/L	EPA 608.3	0.0004	0.02			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	gamma-BHC (Lindane)	n/a	=	79	%	EPA 608.3	-88	-88	43	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0789	µg/L	EPA 608.3	0.0004	0.02			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	gamma-BHC (Lindane)	n/a	=	79	%	EPA 608.3	-88	-88	43	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	gamma-BHC (Lindane)	n/a	=	0.7	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-1	000NONPJ	matrix spike	12/4/2019	Pesticide	Glyphosate	n/a	=	108	µg/L	EPA 547	1.8	5			
2019/20-1	000NONPJ	matrix spike, rec	12/4/2019	Pesticide	Glyphosate	n/a	=	99	%	EPA 547	-88	-88	41	149	
2019/20-1	000NONPJ	matrix spike dup	12/4/2019	Pesticide	Glyphosate	n/a	=	108	µg/L	EPA 547	1.8	5			
2019/20-1	000NONPJ	matrix spike dup, rec	12/4/2019	Pesticide	Glyphosate	n/a	=	99	%	EPA 547	-88	-88	41	149	
2019/20-1	000NONPJ	matrix spike, RPD	12/4/2019	Pesticide	Glyphosate	n/a	=	0.2	%	EPA 547	-88	-88	0	30	
2019/20-1	000NONPJ	matrix spike	12/4/2019	Pesticide	Glyphosate	n/a	=	51.1	µg/L	EPA 547	1.8	5			
2019/20-1	000NONPJ	matrix spike, rec	12/4/2019	Pesticide	Glyphosate	n/a	=	99	%	EPA 547	-88	-88	41	149	
2019/20-1	000NONPJ	matrix spike dup	12/4/2019	Pesticide	Glyphosate	n/a	=	52.4	µg/L	EPA 547	1.8	5			
2019/20-1	000NONPJ	matrix spike dup, rec	12/4/2019	Pesticide	Glyphosate	n/a	=	104	%	EPA 547	-88	-88	41	149	
2019/20-1	000NONPJ	matrix spike, RPD	12/4/2019	Pesticide	Glyphosate	n/a	=	2	%	EPA 547	-88	-88	0	30	
2019/20-1	Lab	method blank	12/3/2019	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Glyphosate	n/a	=	25.1	µg/L	EPA 547	1.8	5			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Glyphosate	n/a	=	101	%	EPA 547	-88	-88	70	130	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Heptachlor	n/a	=	0.0817	µg/L	EPA 608.3	0.0006	0.01			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Heptachlor	n/a	=	82	%	EPA 608.3	-88	-88	43	130	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Heptachlor	n/a	=	0.0803	µg/L	EPA 608.3	0.0006	0.01			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Heptachlor	n/a	=	80	%	EPA 608.3	-88	-88	43	130	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Heptachlor	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-1	Lab	LCS	12/20/2019	Pesticide	Heptachlor epoxide	n/a	=	0.086	µg/L	EPA 608.3	0.0004	0.01			
2019/20-1	Lab	LCS, rec	12/20/2019	Pesticide	Heptachlor epoxide	n/a	=	86	%	EPA 608.3	-88	-88	57	132	
2019/20-1	Lab	LCS dup	12/20/2019	Pesticide	Heptachlor epoxide	n/a	=	0.0855	µg/L	EPA 608.3	0.0004	0.01			
2019/20-1	Lab	LCS dup, rec	12/20/2019	Pesticide	Heptachlor epoxide	n/a	=	85	%	EPA 608.3	-88	-88	57	132	
2019/20-1	Lab	LCS, RPD	12/20/2019	Pesticide	Heptachlor epoxide	n/a	=	0.6	%	EPA 608.3	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Imazapyr	n/a	<	0.06	µg/L	EPA 538	0.06	0.5			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Imazapyr	n/a	=	5.6	µg/L	EPA 538	0.06	0.5			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Imazapyr	n/a	=	112	%	EPA 538	-88	-88	70	130	
2019/20-1	ME-VR2	matrix spike	12/11/2019	Pesticide	Imazapyr	n/a	=	9.76	µg/L	EPA 538	0.06	0.5			GB
2019/20-1	ME-VR2	matrix spike, rec	12/11/2019	Pesticide	Imazapyr	n/a	=	195	%	EPA 538	-88	-88	50	150	GB
2019/20-1	ME-VR2	matrix spike dup	12/11/2019	Pesticide	Imazapyr	n/a	=	10.5	µg/L	EPA 538	0.06	0.5			GB
2019/20-1	ME-VR2	matrix spike dup, rec	12/11/2019	Pesticide	Imazapyr	n/a	=	210	%	EPA 538	-88	-88	50	150	GB
2019/20-1	ME-VR2	matrix spike, RPD	12/11/2019	Pesticide	Imazapyr	n/a	=	7	%	EPA 538	-88	-88	0	30	GB
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Malathion	n/a	=	0.055	µg/L	EPA 525.2m	0.0076	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Malathion	n/a	=	110	%	EPA 525.2m	-88	-88	14	175	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Malathion	n/a	=	1.96	µg/L	EPA 525.2m	0.15	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Malathion	n/a	=	130	%	EPA 525.2m	-88	-88	6	184	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Malathion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Malathion	n/a	=	1.77	µg/L	EPA 525.2m	0.15	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Malathion	n/a	=	111	%	EPA 525.2m	-88	-88	6	184	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Merphos	n/a	=	0.0804	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Merphos	n/a	=	161	%	EPA 525.2m	-88	-88	28	181	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Merphos	n/a	=	2.75	µg/L	EPA 525.2m	0.12	0.2			GB
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Merphos	n/a	=	275	%	EPA 525.2m	-88	-88	3	210	GB
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Merphos	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Merphos	n/a	=	2.41	µg/L	EPA 525.2m	0.12	0.2			GB
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Merphos	n/a	=	241	%	EPA 525.2m	-88	-88	3	210	GB
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Methyl parathion	n/a	=	0.0551	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Methyl parathion	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	252	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Methyl parathion	n/a	=	1.33	µg/L	EPA 525.2m	0.13	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Methyl parathion	n/a	=	133	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Methyl parathion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Methyl parathion	n/a	=	1.34	µg/L	EPA 525.2m	0.13	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Methyl parathion	n/a	=	134	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Metolachlor	n/a	=	5.34	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Metolachlor	n/a	=	107	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Metolachlor	n/a	=	5.15	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Metolachlor	n/a	=	103	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Metolachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Metolachlor	n/a	=	5.8	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Metolachlor	n/a	=	116	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Metolachlor	n/a	=	5.19	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Metolachlor	n/a	=	104	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Metolachlor	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Metribuzin	n/a	=	4.49	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Metribuzin	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Metribuzin	n/a	=	4.77	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Metribuzin	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Metribuzin	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Metribuzin	n/a	=	4.51	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Metribuzin	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Metribuzin	n/a	=	4.58	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Metribuzin	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Metribuzin	n/a	=	1	%	EPA 525.2	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Mevinphos	n/a	=	0.0683	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Mevinphos	n/a	=	137	%	EPA 525.2m	-88	-88	14	202	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Mevinphos	n/a	=	1.73	µg/L	EPA 525.2m	0.084	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Mevinphos	n/a	=	173	%	EPA 525.2m	-88	-88	25	189	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Mevinphos	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Mevinphos	n/a	=	1.52	µg/L	EPA 525.2m	0.084	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Mevinphos	n/a	=	152	%	EPA 525.2m	-88	-88	25	189	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Molinate	n/a	=	5.15	µg/L	EPA 525.2	0.039	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Molinate	n/a	=	4.91	µg/L	EPA 525.2	0.039	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Molinate	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Molinate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Molinate	n/a	=	4.57	µg/L	EPA 525.2	0.039	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Molinate	n/a	=	91	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Molinate	n/a	=	5.88	µg/L	EPA 525.2	0.039	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Molinate	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Molinate	n/a	=	25	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Naled	n/a	=	0.128	µg/L	EPA 525.2m	0.0076	0.01			EUM
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Naled	n/a	=	255	%	EPA 525.2m	-88	-88	0.1	240	EUM
2019/20-1	Lab	method blank	12/30/2019	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-1	Lab	LCS	12/30/2019	Pesticide	Naled	n/a	=	0.0614	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-1	Lab	LCS, rec	12/30/2019	Pesticide	Naled	n/a	=	123	%	EPA 525.2m	-88	-88	0.1	240	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Naled	n/a	=	3.24	µg/L	EPA 525.2m	0.15	0.2			GB
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Naled	n/a	=	324	%	EPA 525.2m	-88	-88	0.1	242	GB
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Naled	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Naled	n/a	=	2.73	µg/L	EPA 525.2m	0.15	0.2			GB
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Naled	n/a	=	273	%	EPA 525.2m	-88	-88	0.1	242	GB
2019/20-1	Lab	method blank	12/9/2019	Pesticide	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1			
2019/20-1	Lab	LCS	12/9/2019	Pesticide	Pentachlorophenol	n/a	=	23.7	µg/L	EPA 625.1	0.4	1			
2019/20-1	Lab	LCS, rec	12/9/2019	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 625.1	-88	-88	41	120	
2019/20-1	Lab	LCS dup	12/9/2019	Pesticide	Pentachlorophenol	n/a	=	22.6	µg/L	EPA 625.1	0.4	1			
2019/20-1	Lab	LCS dup, rec	12/9/2019	Pesticide	Pentachlorophenol	n/a	=	90	%	EPA 625.1	-88	-88	41	120	
2019/20-1	Lab	LCS, RPD	12/9/2019	Pesticide	Pentachlorophenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	Pentachlorophenol	n/a	=	3.53	µg/L	EPA 515.4	0.046	0.2			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	Pentachlorophenol	n/a	=	88	%	EPA 515.4	-88	-88	70	130	
2019/20-1	Lab	method blank	1/10/2020	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2019/20-1	Lab	LCS dup	1/10/2020	Pesticide	Pentachlorophenol	n/a	=	10.6	µg/L	EPA 8270C	0.15	1			
2019/20-1	Lab	LCS dup, rec	1/10/2020	Pesticide	Pentachlorophenol	n/a	=	106	%	EPA 8270C	-88	-88	29	106	
2019/20-1	Lab	LCS, RPD	1/10/2020	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-1	Lab	LCS	1/10/2020	Pesticide	Pentachlorophenol	n/a	=	10.8	µg/L	EPA 8270C	0.15	1			EUM
2019/20-1	Lab	LCS, rec	1/10/2020	Pesticide	Pentachlorophenol	n/a	=	108	%	EPA 8270C	-88	-88	29	106	EUM
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	Pentachlorophenol	n/a	=	3.71	µg/L	EPA 515.4	0.046	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	Pentachlorophenol	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	Pentachlorophenol	n/a	=	3.82	µg/L	EPA 515.4	0.046	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	Pentachlorophenol	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	Pentachlorophenol	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Phorate	n/a	=	0.0418	µg/L	EPA 525.2m	0.003	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Phorate	n/a	=	84	%	EPA 525.2m	-88	-88	26	180	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Phorate	n/a	=	0.988	µg/L	EPA 525.2m	0.06	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Phorate	n/a	=	99	%	EPA 525.2m	-88	-88	31	181	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Phorate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Phorate	n/a	=	0.961	µg/L	EPA 525.2m	0.06	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Phorate	n/a	=	96	%	EPA 525.2m	-88	-88	31	181	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6			
2019/20-1	Lab	LCS	12/13/2019	Pesticide	Picloram	n/a	=	3.56	µg/L	EPA 515.4	0.038	0.6			
2019/20-1	Lab	LCS, rec	12/13/2019	Pesticide	Picloram	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike	12/13/2019	Pesticide	Picloram	n/a	=	4.13	µg/L	EPA 515.4	0.038	0.6			
2019/20-1	ME-CC	matrix spike, rec	12/13/2019	Pesticide	Picloram	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike dup	12/13/2019	Pesticide	Picloram	n/a	=	4.22	µg/L	EPA 515.4	0.038	0.6			
2019/20-1	ME-CC	matrix spike dup, rec	12/13/2019	Pesticide	Picloram	n/a	=	106	%	EPA 515.4	-88	-88	70	130	
2019/20-1	ME-CC	matrix spike, RPD	12/13/2019	Pesticide	Picloram	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Prometon	n/a	=	3.04	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Prometon	n/a	=	61	%	EPA 525.2	-88	-88	15	120	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Prometon	n/a	=	2.96	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Prometon	n/a	=	59	%	EPA 525.2	-88	-88	15	120	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Prometon	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Prometon	n/a	=	3.19	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Prometon	n/a	=	64	%	EPA 525.2	-88	-88	15	120	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Prometon	n/a	=	4.09	µg/L	EPA 525.2	0.024	0.2			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Prometon	n/a	=	82	%	EPA 525.2	-88	-88	15	120	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Prometon	n/a	=	25	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Prometryn	n/a	=	4.69	µg/L	EPA 525.2	0.036	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Prometryn	n/a	=	94	%	EPA 525.2	-88	-88	30	120	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Prometryn	n/a	=	4.62	µg/L	EPA 525.2	0.036	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Prometryn	n/a	=	92	%	EPA 525.2	-88	-88	30	120	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Prometryn	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Prometryn	n/a	=	3.99	µg/L	EPA 525.2	0.036	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Prometryn	n/a	=	80	%	EPA 525.2	-88	-88	30	120	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Prometryn	n/a	=	4	µg/L	EPA 525.2	0.036	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Prometryn	n/a	=	80	%	EPA 525.2	-88	-88	30	120	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Prometryn	n/a	=	0.09	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Ronnel (Fenclorpos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0474	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Ronnel (Fenclorpos)	n/a	=	95	%	EPA 525.2m	-88	-88	34	154	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Ronnel (Fenclorphos)	n/a	=	1.06	µg/L	EPA 525.2m	0.082	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Ronnel (Fenclorphos)	n/a	=	106	%	EPA 525.2m	-88	-88	29	153	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Ronnel (Fenclorphos)	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Ronnel (Fenclorphos)	n/a	=	1.1	µg/L	EPA 525.2m	0.082	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Ronnel (Fenclorphos)	n/a	=	110	%	EPA 525.2m	-88	-88	29	153	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Simazine	n/a	=	5.18	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Simazine	n/a	=	104	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Simazine	n/a	=	4.75	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Simazine	n/a	=	95	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Simazine	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Simazine	n/a	=	5.88	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Simazine	n/a	=	118	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Simazine	n/a	=	5.83	µg/L	EPA 525.2	0.015	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Simazine	n/a	=	117	%	EPA 525.2	-88	-88	60	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Simazine	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0715	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	1.76	µg/L	EPA 525.2m	0.062	0.2			GB
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	176	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	1.85	µg/L	EPA 525.2m	0.062	0.2			GB
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	185	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Terbacil	n/a	=	4.09	µg/L	EPA 525.2	0.55	2			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Terbacil	n/a	=	82	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Terbacil	n/a	=	4.63	µg/L	EPA 525.2	0.55	2			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Terbacil	n/a	=	93	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Terbacil	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Terbacil	n/a	=	5.23	µg/L	EPA 525.2	0.55	2			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Terbacil	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Terbacil	n/a	=	5.81	µg/L	EPA 525.2	0.55	2			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Terbacil	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Terbacil	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Thiobencarb	n/a	=	5.02	µg/L	EPA 525.2	0.025	0.2			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Thiobencarb	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Thiobencarb	n/a	=	4.86	µg/L	EPA 525.2	0.025	0.2			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Thiobencarb	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Thiobencarb	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Thiobencarb	n/a	=	5.35	µg/L	EPA 525.2	0.025	0.2			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Thiobencarb	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Thiobencarb	n/a	=	4.66	µg/L	EPA 525.2	0.025	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Thiobencarb	n/a	=	93	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Thiobencarb	n/a	=	14	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Tokuthion	n/a	=	0.0489	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Tokuthion	n/a	=	98	%	EPA 525.2m	-88	-88	23	159	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Tokuthion	n/a	=	1.55	µg/L	EPA 525.2m	0.16	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Tokuthion	n/a	=	155	%	EPA 525.2m	-88	-88	27	160	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Tokuthion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Tokuthion	n/a	=	1.37	µg/L	EPA 525.2m	0.16	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Tokuthion	n/a	=	137	%	EPA 525.2m	-88	-88	27	160	
2019/20-1	Lab	method blank	12/20/2019	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-1	Lab	method blank	12/4/2019	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-1	Lab	LCS	12/4/2019	Pesticide	Trichloronate	n/a	=	0.0441	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-1	Lab	LCS, rec	12/4/2019	Pesticide	Trichloronate	n/a	=	88	%	EPA 525.2m	-88	-88	34	153	
2019/20-1	ME-CC	matrix spike dup	12/4/2019	Pesticide	Trichloronate	n/a	=	0.966	µg/L	EPA 525.2m	0.13	0.2			
2019/20-1	ME-CC	matrix spike dup, rec	12/4/2019	Pesticide	Trichloronate	n/a	=	97	%	EPA 525.2m	-88	-88	40	150	
2019/20-1	ME-CC	matrix spike, RPD	12/4/2019	Pesticide	Trichloronate	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-1	ME-CC	matrix spike	12/4/2019	Pesticide	Trichloronate	n/a	=	1.01	µg/L	EPA 525.2m	0.13	0.2			
2019/20-1	ME-CC	matrix spike, rec	12/4/2019	Pesticide	Trichloronate	n/a	=	101	%	EPA 525.2m	-88	-88	40	150	
2019/20-1	Lab	method blank	12/11/2019	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS	12/11/2019	Pesticide	Trithion	n/a	=	4.46	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS, rec	12/11/2019	Pesticide	Trithion	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/11/2019	Pesticide	Trithion	n/a	=	4.79	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS dup, rec	12/11/2019	Pesticide	Trithion	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/11/2019	Pesticide	Trithion	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2019/20-1	Lab	method blank	12/12/2019	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS	12/12/2019	Pesticide	Trithion	n/a	=	4.47	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS, rec	12/12/2019	Pesticide	Trithion	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS dup	12/12/2019	Pesticide	Trithion	n/a	=	4.31	µg/L	EPA 525.2	0.012	0.1			
2019/20-1	Lab	LCS dup, rec	12/12/2019	Pesticide	Trithion	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2019/20-1	Lab	LCS, RPD	12/12/2019	Pesticide	Trithion	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Anion	Chloride	n/a	=	235	mg/L	EPA 300.0	0.85	5			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Anion	Chloride	n/a	=	106	%	EPA 300.0	-88	-88	76	118	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Anion	Chloride	n/a	=	235	mg/L	EPA 300.0	0.85	5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Anion	Chloride	n/a	=	106	%	EPA 300.0	-88	-88	76	118	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Anion	Chloride	n/a	=	0.08	%	EPA 300.0	-88	-88	0	20	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Anion	Chloride	n/a	=	306	mg/L	EPA 300.0	0.85	5			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Anion	Chloride	n/a	=	103	%	EPA 300.0	-88	-88	76	118	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Anion	Chloride	n/a	=	308	mg/L	EPA 300.0	0.85	5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Anion	Chloride	n/a	=	104	%	EPA 300.0	-88	-88	76	118	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Anion	Chloride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2019/20-2	Lab	method blank	1/20/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-2	Lab	LCS	1/20/2020	Anion	Chloride	n/a	=	21	mg/L	EPA 300.0	0.085	0.5			
2019/20-2	Lab	LCS, rec	1/20/2020	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Anion	Fluoride	n/a	=	20.1	mg/L	EPA 300.0	0.09	1			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Anion	Fluoride	n/a	=	20.1	mg/L	EPA 300.0	0.09	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Anion	Fluoride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Anion	Fluoride	n/a	=	20.1	mg/L	EPA 300.0	0.09	1			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Anion	Fluoride	n/a	=	20.2	mg/L	EPA 300.0	0.09	1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Anion	Fluoride	n/a	=	0.6	%	EPA 300.0	-88	-88	0	20	
2019/20-2	Lab	method blank	1/20/2020	Anion	Fluoride	n/a	<	0.009	mg/L	EPA 300.0	0.009	0.1			
2019/20-2	Lab	LCS	1/20/2020	Anion	Fluoride	n/a	=	2.11	mg/L	EPA 300.0	0.009	0.1			
2019/20-2	Lab	LCS, rec	1/20/2020	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Anion	Perchlorate	n/a	=	9.8	µg/L	EPA 314.0	0.84	2			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Anion	Perchlorate	n/a	=	98	%	EPA 314.0	-88	-88	80	120	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Anion	Perchlorate	n/a	=	10.5	µg/L	EPA 314.0	0.84	2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Anion	Perchlorate	n/a	=	105	%	EPA 314.0	-88	-88	80	120	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Anion	Perchlorate	n/a	=	7	%	EPA 314.0	-88	-88	0	15	
2019/20-2	Lab	method blank	1/20/2020	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-2	Lab	LCS	1/20/2020	Anion	Perchlorate	n/a	=	10.4	µg/L	EPA 314.0	0.84	2			
2019/20-2	Lab	LCS, rec	1/20/2020	Anion	Perchlorate	n/a	=	104	%	EPA 314.0	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Anion	Sulfate	Total	=	261	mg/L	EPA 300.0	2.4	5			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	78	111	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Anion	Sulfate	Total	=	262	mg/L	EPA 300.0	2.4	5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	78	111	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Anion	Sulfate	Total	=	441	mg/L	EPA 300.0	2.4	5			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Anion	Sulfate	Total	=	99	%	EPA 300.0	-88	-88	78	111	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Anion	Sulfate	Total	=	444	mg/L	EPA 300.0	2.4	5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	78	111	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Anion	Sulfate	Total	=	0.5	%	EPA 300.0	-88	-88	0	20	
2019/20-2	000NONPJ	matrix spike	1/24/2020	Anion	Sulfate	Total	=	349	mg/L	EPA 300.0	2.4	5			GB
2019/20-2	000NONPJ	matrix spike, rec	1/24/2020	Anion	Sulfate	Total	=	113	%	EPA 300.0	-88	-88	78	111	GB
2019/20-2	000NONPJ	matrix spike dup	1/24/2020	Anion	Sulfate	Total	=	349	mg/L	EPA 300.0	2.4	5			GB
2019/20-2	000NONPJ	matrix spike dup, rec	1/24/2020	Anion	Sulfate	Total	=	113	%	EPA 300.0	-88	-88	78	111	GB
2019/20-2	000NONPJ	matrix spike, RPD	1/24/2020	Anion	Sulfate	Total	=	0.01	%	EPA 300.0	-88	-88	0	20	GB
2019/20-2	000NONPJ	matrix spike	1/24/2020	Anion	Sulfate	Total	=	436	mg/L	EPA 300.0	2.4	5			GB
2019/20-2	000NONPJ	matrix spike, rec	1/24/2020	Anion	Sulfate	Total	=	192	%	EPA 300.0	-88	-88	78	111	GB
2019/20-2	000NONPJ	matrix spike dup	1/24/2020	Anion	Sulfate	Total	=	434	mg/L	EPA 300.0	2.4	5			GB
2019/20-2	000NONPJ	matrix spike dup, rec	1/24/2020	Anion	Sulfate	Total	=	192	%	EPA 300.0	-88	-88	78	111	GB
2019/20-2	000NONPJ	matrix spike, RPD	1/24/2020	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	GB
2019/20-2	Lab	method blank	1/20/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-2	Lab	LCS	1/20/2020	Anion	Sulfate	Total	=	21.3	mg/L	EPA 300.0	0.24	0.5			
2019/20-2	Lab	LCS, rec	1/20/2020	Anion	Sulfate	Total	=	106	%	EPA 300.0	-88	-88	90	110	
2019/20-2	Lab	method blank	1/24/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-2	Lab	LCS	1/24/2020	Anion	Sulfate	Total	=	18.8	mg/L	EPA 300.0	0.24	0.5			
2019/20-2	Lab	LCS, rec	1/24/2020	Anion	Sulfate	Total	=	94	%	EPA 300.0	-88	-88	90	110	
2019/20-2	MO-CAM	field blank	1/17/2020	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2019/20-2	MO-CAM	field duplicate	1/17/2020	Bacteriological	E. Coli	n/a	=	5172	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2019/20-2	MO-CAM	field blank	1/17/2020	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-CAM	field duplicate	1/17/2020	Bacteriological	Total Coliform	n/a	=	41060	MPN/100 mL	MMO-MUG	100	100	-88	-88	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Cation	Calcium	Total	=	118	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Cation	Calcium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Cation	Calcium	Total	=	118	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Cation	Calcium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Cation	Calcium	Total	=	0.03	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Cation	Calcium	Total	=	62	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Cation	Calcium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Cation	Calcium	Total	=	61.2	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Cation	Calcium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-2	Lab	method blank	1/29/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	Lab	LCS	1/29/2020	Cation	Calcium	Total	=	46.2	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	Lab	LCS, rec	1/29/2020	Cation	Calcium	Total	=	112	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	method blank	2/3/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	Lab	LCS	2/3/2020	Cation	Calcium	Total	=	48.8	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	Lab	LCS, rec	2/3/2020	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2019/20-2	ME-SCR	matrix spike	1/29/2020	Cation	Calcium	Total	=	178	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	ME-SCR	matrix spike, rec	1/29/2020	Cation	Calcium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-SCR	matrix spike dup	1/29/2020	Cation	Calcium	Total	=	173	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	ME-SCR	matrix spike dup, rec	1/29/2020	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-SCR	matrix spike, RPD	1/29/2020	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	MO-FIL	matrix spike	1/29/2020	Cation	Calcium	Total	=	75.2	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	MO-FIL	matrix spike, rec	1/29/2020	Cation	Calcium	Total	=	113	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike dup	1/29/2020	Cation	Calcium	Total	=	76.6	mg/L	EPA 200.7	0.016	0.1			
2019/20-2	MO-FIL	matrix spike dup, rec	1/29/2020	Cation	Calcium	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike, RPD	1/29/2020	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Cation	Magnesium	Total	=	66.2	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Cation	Magnesium	Total	=	66.3	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Cation	Magnesium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Cation	Magnesium	Total	=	52.1	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Cation	Magnesium	Total	=	51.3	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	Lab	method blank	1/29/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	Lab	LCS	1/29/2020	Cation	Magnesium	Total	=	46.5	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	Lab	LCS, rec	1/29/2020	Cation	Magnesium	Total	=	112	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	method blank	2/3/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	Lab	LCS	2/3/2020	Cation	Magnesium	Total	=	48.5	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	Lab	LCS, rec	2/3/2020	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2019/20-2	ME-SCR	matrix spike	1/29/2020	Cation	Magnesium	Total	=	98.5	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	ME-SCR	matrix spike, rec	1/29/2020	Cation	Magnesium	Total	=	116	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-SCR	matrix spike dup	1/29/2020	Cation	Magnesium	Total	=	96.2	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	ME-SCR	matrix spike dup, rec	1/29/2020	Cation	Magnesium	Total	=	110	%	EPA 200.7	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-SCR	matrix spike, RPD	1/29/2020	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	MO-FIL	matrix spike	1/29/2020	Cation	Magnesium	Total	=	52.3	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	MO-FIL	matrix spike, rec	1/29/2020	Cation	Magnesium	Total	=	115	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike dup	1/29/2020	Cation	Magnesium	Total	=	53.5	mg/L	EPA 200.7	0.012	0.1			
2019/20-2	MO-FIL	matrix spike dup, rec	1/29/2020	Cation	Magnesium	Total	=	118	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike, RPD	1/29/2020	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Cation	Potassium	Total	=	80.4	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Cation	Potassium	Total	=	114	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Cation	Potassium	Total	=	80.5	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Cation	Potassium	Total	=	114	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Cation	Potassium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Cation	Potassium	Total	=	57.3	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Cation	Potassium	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Cation	Potassium	Total	=	56.5	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Cation	Potassium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-2	Lab	method blank	1/29/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	Lab	LCS	1/29/2020	Cation	Potassium	Total	=	47.2	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	Lab	LCS, rec	1/29/2020	Cation	Potassium	Total	=	114	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	method blank	2/3/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	Lab	LCS	2/3/2020	Cation	Potassium	Total	=	53	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	Lab	LCS, rec	2/3/2020	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	85	115	
2019/20-2	ME-SCR	matrix spike	1/29/2020	Cation	Potassium	Total	=	58.4	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	ME-SCR	matrix spike, rec	1/29/2020	Cation	Potassium	Total	=	125	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-SCR	matrix spike dup	1/29/2020	Cation	Potassium	Total	=	57.6	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	ME-SCR	matrix spike dup, rec	1/29/2020	Cation	Potassium	Total	=	123	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-SCR	matrix spike, RPD	1/29/2020	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-2	MO-FIL	matrix spike	1/29/2020	Cation	Potassium	Total	=	55.5	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	MO-FIL	matrix spike, rec	1/29/2020	Cation	Potassium	Total	=	121	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike dup	1/29/2020	Cation	Potassium	Total	=	56.8	mg/L	EPA 200.7	0.081	0.1			
2019/20-2	MO-FIL	matrix spike dup, rec	1/29/2020	Cation	Potassium	Total	=	124	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike, RPD	1/29/2020	Cation	Potassium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Cation	Sodium	Total	=	149	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Cation	Sodium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Cation	Sodium	Total	=	150	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Cation	Sodium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Cation	Sodium	Total	=	75.7	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Cation	Sodium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Cation	Sodium	Total	=	74.4	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	Lab	method blank	1/29/2020	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	Lab	LCS	1/29/2020	Cation	Sodium	Total	=	46.5	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	Lab	LCS, rec	1/29/2020	Cation	Sodium	Total	=	112	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	method blank	2/3/2020	Cation	Sodium	Total	DNQ	0.022	mg/L	EPA 200.7	0.015	0.5			IP
2019/20-2	Lab	LCS	2/3/2020	Cation	Sodium	Total	=	47.9	mg/L	EPA 200.7	0.015	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, rec	2/3/2020	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2019/20-2	ME-SCR	matrix spike	1/29/2020	Cation	Sodium	Total	=	138	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	ME-SCR	matrix spike, rec	1/29/2020	Cation	Sodium	Total	=	119	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-SCR	matrix spike dup	1/29/2020	Cation	Sodium	Total	=	135	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	ME-SCR	matrix spike dup, rec	1/29/2020	Cation	Sodium	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-SCR	matrix spike, RPD	1/29/2020	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	MO-FIL	matrix spike	1/29/2020	Cation	Sodium	Total	=	59.6	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	MO-FIL	matrix spike, rec	1/29/2020	Cation	Sodium	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike dup	1/29/2020	Cation	Sodium	Total	=	60.7	mg/L	EPA 200.7	0.015	0.5			
2019/20-2	MO-FIL	matrix spike dup, rec	1/29/2020	Cation	Sodium	Total	=	120	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike, RPD	1/29/2020	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	lab duplicate	1/22/2020	Conventional	Alkalinity as CaCO3	n/a	=	96.4	mg/L	SM 2320 B	0.56	2		15	
2019/20-2	Lab	method blank	1/22/2020	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2019/20-2	Lab	LCS	1/22/2020	Conventional	Alkalinity as CaCO3	n/a	=	242	mg/L	SM 2320 B	0.56	2			
2019/20-2	Lab	LCS, rec	1/22/2020	Conventional	Alkalinity as CaCO3	n/a	=	97	%	SM 2320 B	-88	-88	94	108	
2019/20-2	000NONPJ	lab duplicate	1/22/2020	Conventional	BOD	n/a	=	10.4	mg/L	SM 5210 B	2	2		20	
2019/20-2	Lab	method blank	1/22/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-2	Lab	method blank	1/22/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-2	Lab	LCS	1/22/2020	Conventional	BOD	n/a	=	168	mg/L	SM 5210 B	2	2			
2019/20-2	Lab	LCS, rec	1/22/2020	Conventional	BOD	n/a	=	85	%	SM 5210 B	-88	-88	85	115	
2019/20-2	000NONPJ	lab duplicate	1/22/2020	Conventional	COD	n/a	=	956	mg/L	EPA 410.4	1.5	10		15	
2019/20-2	000NONPJ	matrix spike	1/22/2020	Conventional	COD	n/a	=	2390	mg/L	EPA 410.4	2.9	20			
2019/20-2	000NONPJ	matrix spike dup	1/22/2020	Conventional	COD	n/a	=	2390	mg/L	EPA 410.4	2.9	20			
2019/20-2	000NONPJ	matrix spike dup, rec	1/22/2020	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, rec	1/22/2020	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/22/2020	Conventional	COD	n/a	=	0	%	EPA 410.4	-88	-88	0	15	
2019/20-2	000NONPJ	lab duplicate	1/27/2020	Conventional	COD	n/a	=	6180	mg/L	EPA 410.4	15	100		15	
2019/20-2	000NONPJ	matrix spike	1/27/2020	Conventional	COD	n/a	=	2520	mg/L	EPA 410.4	2.9	20			
2019/20-2	000NONPJ	matrix spike dup	1/27/2020	Conventional	COD	n/a	=	2520	mg/L	EPA 410.4	2.9	20			
2019/20-2	000NONPJ	matrix spike dup, rec	1/27/2020	Conventional	COD	n/a	=	90	%	EPA 410.4	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, rec	1/27/2020	Conventional	COD	n/a	=	90	%	EPA 410.4	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/27/2020	Conventional	COD	n/a	=	0	%	EPA 410.4	-88	-88	0	15	
2019/20-2	000NONPJ	matrix spike	1/27/2020	Conventional	COD	n/a	=	208	mg/L	EPA 410.4	2.9	20			
2019/20-2	000NONPJ	matrix spike dup	1/27/2020	Conventional	COD	n/a	=	209	mg/L	EPA 410.4	2.9	20			
2019/20-2	000NONPJ	matrix spike dup, rec	1/27/2020	Conventional	COD	n/a	=	105	%	EPA 410.4	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, rec	1/27/2020	Conventional	COD	n/a	=	104	%	EPA 410.4	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/27/2020	Conventional	COD	n/a	=	0.6	%	EPA 410.4	-88	-88	0	15	
2019/20-2	Lab	LCS	1/22/2020	Conventional	COD	n/a	=	922	mg/L	EPA 410.4	0.73	5			
2019/20-2	Lab	LCS, rec	1/22/2020	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2019/20-2	Lab	method blank	1/22/2020	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2019/20-2	Lab	LCS	1/27/2020	Conventional	COD	n/a	=	901	mg/L	EPA 410.4	0.73	5			
2019/20-2	Lab	LCS, rec	1/27/2020	Conventional	COD	n/a	=	90	%	EPA 410.4	-88	-88	90	110	
2019/20-2	Lab	method blank	1/27/2020	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2019/20-2	ME-VR2	matrix spike	1/22/2020	Conventional	COD	n/a	=	206	mg/L	EPA 410.4	2.9	20			
2019/20-2	ME-VR2	matrix spike, rec	1/22/2020	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2019/20-2	ME-VR2	matrix spike dup	1/22/2020	Conventional	COD	n/a	=	204	mg/L	EPA 410.4	2.9	20			
2019/20-2	ME-VR2	matrix spike dup, rec	1/22/2020	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-VR2	matrix spike, RPD	1/22/2020	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2019/20-2	000NONPJ	matrix spike	1/23/2020	Conventional	Cyanide	Total	=	0.0477	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	000NONPJ	matrix spike, rec	1/23/2020	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	64	136	
2019/20-2	000NONPJ	matrix spike dup	1/23/2020	Conventional	Cyanide	Total	=	0.048	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	000NONPJ	matrix spike dup, rec	1/23/2020	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2019/20-2	000NONPJ	matrix spike, RPD	1/23/2020	Conventional	Cyanide	Total	=	0.8	%	ASTM D7511	-88	-88	0	47	
2019/20-2	000NONPJ	matrix spike	1/23/2020	Conventional	Cyanide	Total	=	0.0466	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	000NONPJ	matrix spike, rec	1/23/2020	Conventional	Cyanide	Total	=	90	%	ASTM D7511	-88	-88	64	136	
2019/20-2	000NONPJ	matrix spike dup	1/23/2020	Conventional	Cyanide	Total	=	0.0469	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	000NONPJ	matrix spike dup, rec	1/23/2020	Conventional	Cyanide	Total	=	91	%	ASTM D7511	-88	-88	64	136	
2019/20-2	000NONPJ	matrix spike, RPD	1/23/2020	Conventional	Cyanide	Total	=	0.6	%	ASTM D7511	-88	-88	0	47	
2019/20-2	000NONPJ	matrix spike	1/29/2020	Conventional	Cyanide	Total	=	0.0428	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	000NONPJ	matrix spike, rec	1/29/2020	Conventional	Cyanide	Total	=	86	%	ASTM D7511	-88	-88	64	136	
2019/20-2	000NONPJ	matrix spike dup	1/29/2020	Conventional	Cyanide	Total	=	0.0452	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	000NONPJ	matrix spike dup, rec	1/29/2020	Conventional	Cyanide	Total	=	90	%	ASTM D7511	-88	-88	64	136	
2019/20-2	000NONPJ	matrix spike, RPD	1/29/2020	Conventional	Cyanide	Total	=	5	%	ASTM D7511	-88	-88	0	47	
2019/20-2	Lab	LCS	1/23/2020	Conventional	Cyanide	Total	=	0.0519	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	LCS, rec	1/23/2020	Conventional	Cyanide	Total	=	104	%	ASTM D7511	-88	-88	84	116	
2019/20-2	Lab	method blank	1/23/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	method blank	1/23/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	LCS	1/23/2020	Conventional	Cyanide	Total	=	0.0464	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	LCS, rec	1/23/2020	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	84	116	
2019/20-2	Lab	LCS	1/29/2020	Conventional	Cyanide	Total	=	0.0512	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	LCS, rec	1/29/2020	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	84	116	
2019/20-2	Lab	method blank	1/29/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	method blank	1/29/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	LCS	1/29/2020	Conventional	Cyanide	Total	=	0.0494	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	LCS, rec	1/29/2020	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	84	116	
2019/20-2	MO-CAM	field blank	1/29/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	MO-CAM	field duplicate	1/29/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-2	Lab	LCS	1/23/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.8	mg/L	SM 5310 B	0.5	0.5			
2019/20-2	Lab	LCS dup	1/23/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.8	mg/L	SM 5310 B	0.5	0.5			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	108	%	SM 5310 B	-88	-88	85	115	
2019/20-2	Lab	LCS, rec	1/23/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	108	%	SM 5310 B	-88	-88	85	115	
2019/20-2	Lab	LCS, RPD	1/23/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	0.3	%	SM 5310 B	-88	-88	0	20	
2019/20-2	Lab	method blank	1/23/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2019/20-2	000NONPJ	matrix spike	1/22/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	8.17	mg/L	SM 5310 B	0.016	0.1			GB
2019/20-2	000NONPJ	matrix spike dup	1/22/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	8.1	mg/L	SM 5310 B	0.016	0.1			GB
2019/20-2	000NONPJ	matrix spike dup, rec	1/22/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	121	%	SM 5310 B	-88	-88	74	120	GB
2019/20-2	000NONPJ	matrix spike, rec	1/22/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	123	%	SM 5310 B	-88	-88	74	120	GB
2019/20-2	000NONPJ	matrix spike, RPD	1/22/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	0.9	%	SM 5310 B	-88	-88	0	20	GB
2019/20-2	Lab	LCS	1/22/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	1.04	mg/L	SM 5310 B	0.016	0.1			
2019/20-2	Lab	LCS, rec	1/22/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	104	%	SM 5310 B	-88	-88	85	115	
2019/20-2	Lab	method blank	1/22/2020	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2019/20-2	Lab	LCS	1/17/2020	Conventional	MBAS	n/a	=	0.186	mg/L	SM 5540 C	0.017	0.05			
2019/20-2	Lab	LCS, rec	1/17/2020	Conventional	MBAS	n/a	=	93	%	SM 5540 C	-88	-88	82	115	
2019/20-2	Lab	method blank	1/17/2020	Conventional	MBAS	n/a	<	0.017	mg/L	SM 5540 C	0.017	0.05			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-VR2	matrix spike	1/17/2020	Conventional	MBAS	n/a	=	0.231	mg/L	SM 5540 C	0.017	0.05			
2019/20-2	ME-VR2	matrix spike dup	1/17/2020	Conventional	MBAS	n/a	=	0.229	mg/L	SM 5540 C	0.017	0.05			
2019/20-2	ME-VR2	matrix spike dup, rec	1/17/2020	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	74	123	
2019/20-2	ME-VR2	matrix spike, rec	1/17/2020	Conventional	MBAS	n/a	=	105	%	SM 5540 C	-88	-88	74	123	
2019/20-2	ME-VR2	matrix spike, RPD	1/17/2020	Conventional	MBAS	n/a	=	0.8	%	SM 5540 C	-88	-88	0	20	
2019/20-2	000NONPJ	matrix spike	1/21/2020	Conventional	Phenolics	n/a	=	0.266	mg/L	EPA 420.4	0.0042	0.01			
2019/20-2	000NONPJ	matrix spike dup	1/21/2020	Conventional	Phenolics	n/a	=	0.269	mg/L	EPA 420.4	0.0042	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/21/2020	Conventional	Phenolics	n/a	=	107	%	EPA 420.4	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, rec	1/21/2020	Conventional	Phenolics	n/a	=	106	%	EPA 420.4	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/21/2020	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2019/20-2	Lab	LCS	1/21/2020	Conventional	Phenolics	n/a	=	0.103	mg/L	EPA 420.4	0.0042	0.01			
2019/20-2	Lab	LCS, rec	1/21/2020	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2019/20-2	Lab	method blank	1/21/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-2	Lab	LCS	1/22/2020	Conventional	Phenolics	n/a	=	0.107	mg/L	EPA 420.4	0.0042	0.01			
2019/20-2	Lab	LCS, rec	1/22/2020	Conventional	Phenolics	n/a	=	107	%	EPA 420.4	-88	-88	90	110	
2019/20-2	Lab	method blank	1/22/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-2	ME-VR2	matrix spike	1/22/2020	Conventional	Phenolics	n/a	=	0.257	mg/L	EPA 420.4	0.0042	0.01			
2019/20-2	ME-VR2	matrix spike dup	1/22/2020	Conventional	Phenolics	n/a	=	0.251	mg/L	EPA 420.4	0.0042	0.01			
2019/20-2	ME-VR2	matrix spike dup, rec	1/22/2020	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2019/20-2	ME-VR2	matrix spike, rec	1/22/2020	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2019/20-2	ME-VR2	matrix spike, RPD	1/22/2020	Conventional	Phenolics	n/a	=	3	%	EPA 420.4	-88	-88	0	20	
2019/20-2	000NONPJ	lab duplicate	1/21/2020	Conventional	Specific Conductance	n/a	=	33.3	µmhos/cm	SM 2510 B	0.23	2		4.28	
2019/20-2	Lab	method blank	1/21/2020	Conventional	Specific Conductance	n/a	=	2.44	µmhos/cm	SM 2510 B	0.23	2			IP
2019/20-2	Lab	LCS	1/21/2020	Conventional	Specific Conductance	n/a	=	445	µmhos/cm	SM 2510 B	0.23	2			
2019/20-2	Lab	LCS, rec	1/21/2020	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2019/20-2	Lab	LCS	1/27/2020	Conventional	Specific Conductance	n/a	=	25200	µmhos/cm	SM 2510 B	0.23	2			
2019/20-2	Lab	LCS, rec	1/27/2020	Conventional	Specific Conductance	n/a	=	101	%	SM 2510 B	-88	-88	95	105	
2019/20-2	Lab	method blank	1/27/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-2	MO-HUE	lab duplicate	1/27/2020	Conventional	Specific Conductance	n/a	=	18600	µmhos/cm	SM 2510 B	0.23	2		4.28	
2019/20-2	Lab	LCS	1/17/2020	Conventional	Total Chlorine Residual	n/a	=	0.189	mg/L	SM 4500-CI G	0.0076	0.05			
2019/20-2	Lab	LCS, rec	1/17/2020	Conventional	Total Chlorine Residual	n/a	=	94	%	SM 4500-CI G	-88	-88	85	110	
2019/20-2	Lab	method blank	1/17/2020	Conventional	Total Chlorine Residual	n/a	<	0.0076	mg/L	SM 4500-CI G	0.0076	0.05			
2019/20-2	ME-CC	lab duplicate	1/17/2020	Conventional	Total Chlorine Residual	n/a	=	0.384	mg/L	SM 4500-CI G	0.015	0.1		15	IL
2019/20-2	ME-CC	matrix spike	1/17/2020	Conventional	Total Chlorine Residual	n/a	=	1.1	mg/L	SM 4500-CI G	0.03	0.2			
2019/20-2	ME-CC	matrix spike dup	1/17/2020	Conventional	Total Chlorine Residual	n/a	=	1.02	mg/L	SM 4500-CI G	0.03	0.2			
2019/20-2	ME-CC	matrix spike dup, rec	1/17/2020	Conventional	Total Chlorine Residual	n/a	=	96	%	SM 4500-CI G	-88	-88	78	114	
2019/20-2	ME-CC	matrix spike, rec	1/17/2020	Conventional	Total Chlorine Residual	n/a	=	105	%	SM 4500-CI G	-88	-88	78	114	
2019/20-2	ME-CC	matrix spike, RPD	1/17/2020	Conventional	Total Chlorine Residual	n/a	=	7	%	SM 4500-CI G	-88	-88	0	15	
2019/20-2	000NONPJ	lab duplicate	1/20/2020	Conventional	Total Dissolved Solids	n/a	=	2570	mg/L	SM 2540 C	4	10		10	
2019/20-2	Lab	LCS	1/20/2020	Conventional	Total Dissolved Solids	n/a	=	831	mg/L	SM 2540 C	4	10			
2019/20-2	Lab	LCS, rec	1/20/2020	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2019/20-2	Lab	method blank	1/20/2020	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2019/20-2	MO-HUE	lab duplicate	1/20/2020	Conventional	Total Dissolved Solids	n/a	=	10100	mg/L	SM 2540 C	4	10		10	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Conventional	Total Organic Carbon	n/a	=	6.83	mg/L	SM 5310 B	0.073	0.1			
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Conventional	Total Organic Carbon	n/a	=	6.86	mg/L	SM 5310 B	0.073	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 B	-88	-88	76	115	
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 B	-88	-88	76	115	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Conventional	Total Organic Carbon	n/a	=	0.4	%	SM 5310 B	-88	-88	0	20	
2019/20-2	000NONPJ	matrix spike	1/21/2020	Conventional	Total Organic Carbon	n/a	=	9.42	mg/L	SM 5310 B	0.073	0.1			
2019/20-2	000NONPJ	matrix spike dup	1/21/2020	Conventional	Total Organic Carbon	n/a	=	9.07	mg/L	SM 5310 B	0.073	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/21/2020	Conventional	Total Organic Carbon	n/a	=	106	%	SM 5310 B	-88	-88	76	115	
2019/20-2	000NONPJ	matrix spike, rec	1/21/2020	Conventional	Total Organic Carbon	n/a	=	113	%	SM 5310 B	-88	-88	76	115	
2019/20-2	000NONPJ	matrix spike, RPD	1/21/2020	Conventional	Total Organic Carbon	n/a	=	4	%	SM 5310 B	-88	-88	0	20	
2019/20-2	Lab	LCS	1/20/2020	Conventional	Total Organic Carbon	n/a	=	1.08	mg/L	SM 5310 B	0.073	0.1			
2019/20-2	Lab	LCS, rec	1/20/2020	Conventional	Total Organic Carbon	n/a	=	108	%	SM 5310 B	-88	-88	85	115	
2019/20-2	Lab	method blank	1/20/2020	Conventional	Total Organic Carbon	n/a	<	0.073	mg/L	SM 5310 B	0.073	0.1			
2019/20-2	Lab	LCS	1/21/2020	Conventional	Total Organic Carbon	n/a	=	0.989	mg/L	SM 5310 B	0.073	0.1			
2019/20-2	Lab	LCS, rec	1/21/2020	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 B	-88	-88	85	115	
2019/20-2	Lab	method blank	1/21/2020	Conventional	Total Organic Carbon	n/a	<	0.073	mg/L	SM 5310 B	0.073	0.1			
2019/20-2	000NONPJ	lab duplicate	1/21/2020	Conventional	Total Suspended Solids	n/a	=	6.8	mg/L	SM 2540 D	-88	5		20	
2019/20-2	Lab	LCS	1/21/2020	Conventional	Total Suspended Solids	n/a	=	58.9	mg/L	SM 2540 D	-88	5			
2019/20-2	Lab	LCS, rec	1/21/2020	Conventional	Total Suspended Solids	n/a	=	110	%	SM 2540 D	-88	-88	90	110	
2019/20-2	Lab	method blank	1/21/2020	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2019/20-2	MO-FIL	lab duplicate	1/21/2020	Conventional	Total Suspended Solids	n/a	=	68.7	mg/L	SM 2540 D	-88	5		20	
2019/20-2	Lab	LCS	1/17/2020	Conventional	Turbidity	n/a	=	10.1	NTU	EPA 180.1	0.017	0.1			
2019/20-2	Lab	LCS, rec	1/17/2020	Conventional	Turbidity	n/a	=	101	%	EPA 180.1	-88	-88	90	110	
2019/20-2	Lab	method blank	1/17/2020	Conventional	Turbidity	n/a	DNQ	0.02	NTU	EPA 180.1	0.017	0.1			IP
2019/20-2	Lab	LCS	1/17/2020	Conventional	Turbidity	n/a	=	4.03	NTU	EPA 180.1	0.017	0.1			
2019/20-2	Lab	LCS, rec	1/17/2020	Conventional	Turbidity	n/a	=	101	%	EPA 180.1	-88	-88	90	110	
2019/20-2	ME-CC	lab duplicate	1/17/2020	Conventional	Turbidity	n/a	=	280	NTU	EPA 180.1	0.68	4		10	
2019/20-2	Lab	LCS	1/21/2020	Conventional	Volatile Suspended Solids	n/a	=	40	mg/L	EPA 160.4	0.093	0.15			
2019/20-2	Lab	LCS, rec	1/21/2020	Conventional	Volatile Suspended Solids	n/a	=	105	%	EPA 160.4	-88	-88	90	110	
2019/20-2	Lab	method blank	1/21/2020	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-2	MO-FIL	lab duplicate	1/21/2020	Conventional	Volatile Suspended Solids	n/a	=	13	mg/L	EPA 160.4	3.1	5		15	
2019/20-2	Lab	method blank	1/29/2020	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0442	mg/L	EPA 8015D	0.024	0.1			IP
2019/20-2	Lab	LCS	1/29/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.496	mg/L	EPA 8015D	0.024	0.1			
2019/20-2	Lab	LCS, rec	1/29/2020	Hydrocarbon	Diesel Range Organics	n/a	=	99	%	EPA 8015D	-88	-88	56	136	
2019/20-2	Lab	LCS dup	1/29/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.596	mg/L	EPA 8015D	0.024	0.1			
2019/20-2	Lab	LCS dup, rec	1/29/2020	Hydrocarbon	Diesel Range Organics	n/a	=	119	%	EPA 8015D	-88	-88	56	136	
2019/20-2	Lab	LCS, RPD	1/29/2020	Hydrocarbon	Diesel Range Organics	n/a	=	18	%	EPA 8015D	-88	-88	0	25	
2019/20-2	Lab	method blank	1/31/2020	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0417	mg/L	EPA 8015D	0.024	0.1			IP
2019/20-2	Lab	LCS	1/31/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.455	mg/L	EPA 8015D	0.024	0.1			
2019/20-2	Lab	LCS, rec	1/31/2020	Hydrocarbon	Diesel Range Organics	n/a	=	91	%	EPA 8015D	-88	-88	56	136	
2019/20-2	Lab	LCS dup	1/31/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.54	mg/L	EPA 8015D	0.024	0.1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Hydrocarbon	Diesel Range Organics	n/a	=	108	%	EPA 8015D	-88	-88	56	136	
2019/20-2	Lab	LCS, RPD	1/31/2020	Hydrocarbon	Diesel Range Organics	n/a	=	17	%	EPA 8015D	-88	-88	0	25	
2019/20-2	Lab	method blank	2/4/2020	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0472	mg/L	EPA 8015D	0.024	0.1			IP
2019/20-2	Lab	LCS	2/4/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.353	mg/L	EPA 8015D	0.024	0.1			
2019/20-2	Lab	LCS, rec	2/4/2020	Hydrocarbon	Diesel Range Organics	n/a	=	71	%	EPA 8015D	-88	-88	56	136	
2019/20-2	Lab	LCS dup	2/4/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.384	mg/L	EPA 8015D	0.024	0.1			
2019/20-2	Lab	LCS dup, rec	2/4/2020	Hydrocarbon	Diesel Range Organics	n/a	=	77	%	EPA 8015D	-88	-88	56	136	
2019/20-2	Lab	LCS, RPD	2/4/2020	Hydrocarbon	Diesel Range Organics	n/a	=	9	%	EPA 8015D	-88	-88	0	25	
2019/20-2	Lab	LCS	1/19/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	1.04	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-2	Lab	LCS, rec	1/19/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	104	%	LUFT GC/MS	-88	-88	53	136	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS dup	1/19/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	1.04	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-2	Lab	LCS dup, rec	1/19/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	104	%	LUFT GC/MS	-88	-88	53	136	
2019/20-2	Lab	LCS, RPD	1/19/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0	%	LUFT GC/MS	-88	-88	0	25	
2019/20-2	Lab	method blank	1/19/2020	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-2	MO-CAM	field duplicate	1/20/2020	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-2	MO-CAM	field blank	1/20/2020	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-2	Lab	srgt method blank	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.307	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	123	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	srgt LCS	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.285	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	srgt LCS dup	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.296	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	118	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	srgt method blank	1/31/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.287	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/31/2020	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	srgt LCS	1/31/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.256	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/31/2020	Hydrocarbon	n-Tetracosane	n/a	=	102	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	srgt LCS dup	1/31/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.268	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/31/2020	Hydrocarbon	n-Tetracosane	n/a	=	107	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	srgt method blank	2/4/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.248	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/4/2020	Hydrocarbon	n-Tetracosane	n/a	=	99	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	srgt LCS	2/4/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.279	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/4/2020	Hydrocarbon	n-Tetracosane	n/a	=	112	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	srgt LCS dup	2/4/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.274	mg/L	EPA 8015D	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	2/4/2020	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015D	-88	-88	64	155	
2019/20-2	ME-CC	srgt environ	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.227	mg/L	EPA 8015D	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	91	%	EPA 8015D	-88	-88	64	155	
2019/20-2	ME-SCR	srgt environ	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.251	mg/L	EPA 8015D	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	100	%	EPA 8015D	-88	-88	64	155	
2019/20-2	ME-VR2	srgt environ	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.263	mg/L	EPA 8015D	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/29/2020	Hydrocarbon	n-Tetracosane	n/a	=	105	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-CAM	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.329	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	132	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-FIL	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.291	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-HUE	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.268	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	107	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-MEI	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.287	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-MPK	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.299	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	120	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-OJA	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.293	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-oxn	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.213	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-oxn	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	85	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-SIM	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.301	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	120	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-SPA	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.293	mg/L	EPA 8015D	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-SPA	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-THO	srgt environ	2/4/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.256	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/4/2020	Hydrocarbon	n-Tetracosane	n/a	=	103	%	EPA 8015D	-88	-88	64	155	
2019/20-2	MO-VEN	srgt environ	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.321	mg/L	EPA 8015D	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/30/2020	Hydrocarbon	n-Tetracosane	n/a	=	129	%	EPA 8015D	-88	-88	64	155	
2019/20-2	Lab	LCS	1/23/2020	Hydrocarbon	Oil and Grease	n/a	=	16.6	mg/L	EPA 1664A	1.3	5			
2019/20-2	Lab	LCS	1/23/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4.6	mg/L	EPA 1664A	1.3	5			
2019/20-2	Lab	LCS dup	1/23/2020	Hydrocarbon	Oil and Grease	n/a	=	16.4	mg/L	EPA 1664A	1.3	5			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2019/20-2	Lab	LCS, rec	1/23/2020	Hydrocarbon	Oil and Grease	n/a	=	92	%	EPA 1664A	-88	-88	78	114	
2019/20-2	Lab	LCS, rec	1/23/2020	Hydrocarbon	Oil and Grease	n/a	=	83	%	EPA 1664A	-88	-88	78	114	
2019/20-2	Lab	LCS, RPD	1/23/2020	Hydrocarbon	Oil and Grease	n/a	=	1	%	EPA 1664A	-88	-88	0	18	
2019/20-2	Lab	method blank	1/23/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-2	Lab	LCS	1/24/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4	mg/L	EPA 1664A	1.3	5			
2019/20-2	Lab	LCS	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	16.9	mg/L	EPA 1664A	1.3	5			
2019/20-2	Lab	LCS dup	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	19.8	mg/L	EPA 1664A	1.3	5			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	99	%	EPA 1664A	-88	-88	78	114	
2019/20-2	Lab	LCS, rec	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2019/20-2	Lab	LCS, rec	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2019/20-2	Lab	LCS, RPD	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	16	%	EPA 1664A	-88	-88	0	18	
2019/20-2	Lab	method blank	1/24/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-2	ME-CC	matrix spike	1/24/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	3	mg/L	EPA 1664A	1.3	5			GB,IL
2019/20-2	ME-CC	matrix spike dup	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	21.6	mg/L	EPA 1664A	1.3	5			IL
2019/20-2	ME-CC	matrix spike dup, rec	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	81	%	EPA 1664A	-88	-88	78	114	IL
2019/20-2	ME-CC	matrix spike, rec	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	12	%	EPA 1664A	-88	-88	78	114	GB,IL
2019/20-2	ME-CC	matrix spike, RPD	1/24/2020	Hydrocarbon	Oil and Grease	n/a	=	151	%	EPA 1664A	-88	-88	0	18	GB,IL
2019/20-2	MO-CAM	field blank	1/23/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-2	MO-CAM	field duplicate	1/23/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-2	Lab	method blank	1/29/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-2	Lab	method blank	1/31/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-2	Lab	method blank	2/4/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-2	Lab	method blank	1/30/2020	Metal	Aluminum	Dissolved	DNQ	2.31	µg/L	EPA 200.8	1.3	5			IP
2019/20-2	Lab	LCS	1/30/2020	Metal	Aluminum	Dissolved	=	49.4	µg/L	EPA 200.8	1.3	5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Aluminum	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Aluminum	Dissolved	DNQ	1.65	µg/L	EPA 200.8	1.3	5			IP
2019/20-2	Lab	LCS	2/4/2020	Metal	Aluminum	Dissolved	=	52.6	µg/L	EPA 200.8	1.3	5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Aluminum	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Aluminum	Total	=	1510	µg/L	EPA 200.8	1.3	5			GB
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Aluminum	Total	=	182	%	EPA 200.8	-88	-88	70	130	GB
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Aluminum	Total	=	1460	µg/L	EPA 200.8	1.3	5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Aluminum	Total	=	80	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Aluminum	Total	=	712	µg/L	EPA 200.8	1.3	5			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Aluminum	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Aluminum	Total	=	664	µg/L	EPA 200.8	1.3	5			GB
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Aluminum	Total	=	0	%	EPA 200.8	-88	-88	70	130	GB
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Aluminum	Total	=	7	%	EPA 200.8	-88	-88	0	30	GB



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	1/30/2020	Metal	Aluminum	Total	DNQ	2.04	µg/L	EPA 200.8	1.3	5			IP
2019/20-2	Lab	LCS	1/30/2020	Metal	Aluminum	Total	=	49.4	µg/L	EPA 200.8	1.3	5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Aluminum	Total	DNQ	2.59	µg/L	EPA 200.8	1.3	5			IP
2019/20-2	Lab	LCS	2/4/2020	Metal	Aluminum	Total	=	52.6	µg/L	EPA 200.8	1.3	5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Aluminum	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Aluminum	Total	=	149	µg/L	EPA 200.8	1.3	5			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Aluminum	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Aluminum	Total	=	150	µg/L	EPA 200.8	1.3	5			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Aluminum	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Aluminum	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Aluminum	Total	=	1240	µg/L	EPA 200.8	1.3	5			GB
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Aluminum	Total	=	185	%	EPA 200.8	-88	-88	70	130	GB
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Aluminum	Total	=	1150	µg/L	EPA 200.8	1.3	5			GB
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Aluminum	Total	=	14	%	EPA 200.8	-88	-88	70	130	GB
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Aluminum	Total	=	7	%	EPA 200.8	-88	-88	0	30	GB
2019/20-2	Lab	method blank	1/30/2020	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	Lab	LCS	1/30/2020	Metal	Antimony	Dissolved	=	54.7	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Antimony	Dissolved	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	Lab	LCS	2/4/2020	Metal	Antimony	Dissolved	=	53.6	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Antimony	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Antimony	Total	=	53.4	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Antimony	Total	=	53.9	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Antimony	Total	=	55.8	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Antimony	Total	=	56.1	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Antimony	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Antimony	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	Lab	LCS	1/30/2020	Metal	Antimony	Total	=	54.7	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Antimony	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	Lab	LCS	2/4/2020	Metal	Antimony	Total	=	53.6	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Antimony	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Antimony	Total	=	53.9	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Antimony	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Antimony	Total	=	53.8	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Antimony	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Antimony	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Antimony	Total	=	53.2	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Antimony	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Antimony	Total	=	52.5	µg/L	EPA 200.8	0.045	0.5			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	Lab	LCS	1/30/2020	Metal	Arsenic	Dissolved	=	52	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Arsenic	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	Lab	LCS	2/4/2020	Metal	Arsenic	Dissolved	=	50	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Arsenic	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Arsenic	Total	=	50.2	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Arsenic	Total	=	49.8	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Arsenic	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Arsenic	Total	=	53.3	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Arsenic	Total	=	53	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Arsenic	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	Lab	LCS	1/30/2020	Metal	Arsenic	Total	=	52	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	Lab	LCS	2/4/2020	Metal	Arsenic	Total	=	50	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Arsenic	Total	=	51.6	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Arsenic	Total	=	51.2	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Arsenic	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Arsenic	Total	=	51.4	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Arsenic	Total	=	51.7	µg/L	EPA 200.8	0.074	0.4			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Arsenic	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Barium	Total	=	92.5	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Barium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Barium	Total	=	96.9	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Barium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Barium	Total	=	83.2	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Barium	Total	=	83.6	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Barium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Barium	Total	DNQ	0.108	µg/L	EPA 200.8	0.071	0.5			IP
2019/20-2	Lab	LCS	1/30/2020	Metal	Barium	Total	=	50.1	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS	2/4/2020	Metal	Barium	Total	=	48.7	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Barium	Total	=	103	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Barium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Barium	Total	=	102	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Barium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Barium	Total	=	84.3	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Barium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Barium	Total	=	83.4	µg/L	EPA 200.8	0.071	0.5			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Barium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	Lab	LCS	1/30/2020	Metal	Beryllium	Dissolved	=	49.1	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Beryllium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	Lab	LCS	2/4/2020	Metal	Beryllium	Dissolved	=	50.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Beryllium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Beryllium	Total	=	48.1	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Beryllium	Total	=	47.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Beryllium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Beryllium	Total	=	49.1	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Beryllium	Total	=	48.3	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	Lab	LCS	1/30/2020	Metal	Beryllium	Total	=	49.1	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	Lab	LCS	2/4/2020	Metal	Beryllium	Total	=	50.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Beryllium	Total	=	50.4	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Beryllium	Total	=	51.2	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Beryllium	Total	=	51.4	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Beryllium	Total	=	51.7	µg/L	EPA 200.8	0.033	0.1			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Beryllium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	Lab	LCS	1/30/2020	Metal	Cadmium	Dissolved	=	49	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Cadmium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	2/4/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	Lab	LCS	2/4/2020	Metal	Cadmium	Dissolved	=	48	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Cadmium	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Cadmium	Total	=	48.7	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Cadmium	Total	=	48.5	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Cadmium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Cadmium	Total	=	48.4	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Cadmium	Total	=	48	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Cadmium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	Lab	LCS	1/30/2020	Metal	Cadmium	Total	=	49	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	Lab	LCS	2/4/2020	Metal	Cadmium	Total	=	48	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Cadmium	Total	=	45.7	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Cadmium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Cadmium	Total	=	45.8	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Cadmium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Cadmium	Total	=	49.6	µg/L	EPA 200.8	0.041	0.1			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS	1/30/2020	Metal	Chromium	Dissolved	=	45.8	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Chromium	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS	2/4/2020	Metal	Chromium	Dissolved	=	50.6	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Chromium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/29/2020	Metal	Chromium	Total	=	52.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/29/2020	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/29/2020	Metal	Chromium	Total	=	52.9	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/29/2020	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/29/2020	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/29/2020	Metal	Chromium	Total	=	51.7	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/29/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/29/2020	Metal	Chromium	Total	=	51.1	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/29/2020	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/29/2020	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Chromium	Total	=	53	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Chromium	Total	=	52.5	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Chromium	Total	=	51.6	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Chromium	Total	=	51.1	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/29/2020	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS	1/29/2020	Metal	Chromium	Total	=	49.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS, rec	1/29/2020	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	1/30/2020	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS	1/30/2020	Metal	Chromium	Total	=	45.8	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Chromium	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Chromium	Total	DNQ	0.0367	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-2	Lab	LCS	2/4/2020	Metal	Chromium	Total	=	50.6	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Chromium	Total	=	52.7	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Chromium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Chromium	Total	=	52.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Chromium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Chromium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Chromium	Total	=	54.8	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Chromium	Total	=	54.4	µg/L	EPA 200.8	0.035	0.2			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Chromium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Metal	Chromium VI	n/a	=	12.9	µg/L	EPA 218.6	0.0079	0.02			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Metal	Chromium VI	n/a	=	12.8	µg/L	EPA 218.6	0.0079	0.02			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Metal	Chromium VI	n/a	=	0.6	%	EPA 218.6	-88	-88	0	10	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Metal	Chromium VI	n/a	=	12.9	µg/L	EPA 218.6	0.0079	0.02			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Metal	Chromium VI	n/a	=	13	µg/L	EPA 218.6	0.0079	0.02			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	88	112	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Metal	Chromium VI	n/a	=	0.5	%	EPA 218.6	-88	-88	0	10	
2019/20-2	Lab	method blank	1/20/2020	Metal	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02			
2019/20-2	Lab	LCS	1/20/2020	Metal	Chromium VI	n/a	=	5.15	µg/L	EPA 218.6	0.0079	0.02			
2019/20-2	Lab	LCS, rec	1/20/2020	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	90	110	
2019/20-2	Lab	method blank	1/30/2020	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	Lab	LCS	1/30/2020	Metal	Copper	Dissolved	=	48.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Copper	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	Lab	LCS	2/4/2020	Metal	Copper	Dissolved	=	53	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Copper	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Copper	Total	=	107	µg/L	EPA 200.8	0.13	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Copper	Total	=	107	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Copper	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Copper	Total	=	75.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Copper	Total	=	75.3	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Copper	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	Lab	LCS	1/30/2020	Metal	Copper	Total	=	48.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	Lab	LCS	2/4/2020	Metal	Copper	Total	=	53	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Copper	Total	=	50.3	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Copper	Total	=	49.8	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Copper	Total	=	75.1	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Copper	Total	=	70.9	µg/L	EPA 200.8	0.13	0.5			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Copper	Total	=	6	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/29/2020	Metal	Iron	Dissolved	DNQ	3	µg/L	EPA 200.7	1.1	10			IP
2019/20-2	Lab	LCS	1/29/2020	Metal	Iron	Dissolved	=	193	µg/L	EPA 200.7	1.1	10			
2019/20-2	Lab	LCS, rec	1/29/2020	Metal	Iron	Dissolved	=	94	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	method blank	2/3/2020	Metal	Iron	Dissolved	DNQ	4	µg/L	EPA 200.7	1.1	10			IP
2019/20-2	Lab	LCS	2/3/2020	Metal	Iron	Dissolved	=	198	µg/L	EPA 200.7	1.1	10			
2019/20-2	Lab	LCS, rec	2/3/2020	Metal	Iron	Dissolved	=	99	%	EPA 200.7	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Metal	Iron	Total	=	232	µg/L	EPA 200.7	1.1	10			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Metal	Iron	Total	=	228	µg/L	EPA 200.7	1.1	10			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Metal	Iron	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Metal	Iron	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Metal	Iron	Total	=	5120	µg/L	EPA 200.7	1.1	10			GB
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Metal	Iron	Total	=	806	%	EPA 200.7	-88	-88	70	130	GB
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Metal	Iron	Total	=	5030	µg/L	EPA 200.7	1.1	10			GB
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Metal	Iron	Total	=	765	%	EPA 200.7	-88	-88	70	130	GB
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Metal	Iron	Total	=	2	%	EPA 200.7	-88	-88	0	30	GB
2019/20-2	Lab	method blank	1/29/2020	Metal	Iron	Total	DNQ	4	µg/L	EPA 200.7	1.1	10			IP
2019/20-2	Lab	LCS	1/29/2020	Metal	Iron	Total	=	193	µg/L	EPA 200.7	1.1	10			
2019/20-2	Lab	LCS, rec	1/29/2020	Metal	Iron	Total	=	94	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	method blank	2/3/2020	Metal	Iron	Total	DNQ	4	µg/L	EPA 200.7	1.1	10			IP
2019/20-2	Lab	LCS	2/3/2020	Metal	Iron	Total	=	198	µg/L	EPA 200.7	1.1	10			
2019/20-2	Lab	LCS, rec	2/3/2020	Metal	Iron	Total	=	99	%	EPA 200.7	-88	-88	85	115	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-SCR	matrix spike	1/29/2020	Metal	Iron	Total	=	10000	µg/L	EPA 200.7	1.1	10			GB
2019/20-2	ME-SCR	matrix spike, rec	1/29/2020	Metal	Iron	Total	=	213	%	EPA 200.7	-88	-88	70	130	GB
2019/20-2	ME-SCR	matrix spike dup	1/29/2020	Metal	Iron	Total	=	9830	µg/L	EPA 200.7	1.1	10			
2019/20-2	ME-SCR	matrix spike dup, rec	1/29/2020	Metal	Iron	Total	=	124	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-SCR	matrix spike, RPD	1/29/2020	Metal	Iron	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	MO-FIL	matrix spike	1/29/2020	Metal	Iron	Total	=	1390	µg/L	EPA 200.7	1.1	10			
2019/20-2	MO-FIL	matrix spike, rec	1/29/2020	Metal	Iron	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike dup	1/29/2020	Metal	Iron	Total	=	1370	µg/L	EPA 200.7	1.1	10			
2019/20-2	MO-FIL	matrix spike dup, rec	1/29/2020	Metal	Iron	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2019/20-2	MO-FIL	matrix spike, RPD	1/29/2020	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	Lab	LCS	1/30/2020	Metal	Lead	Dissolved	=	51	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Lead	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	Lab	LCS	2/4/2020	Metal	Lead	Dissolved	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Lead	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Lead	Total	=	54.1	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Lead	Total	=	56.3	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Lead	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Lead	Total	=	50.3	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Lead	Total	=	50.6	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Lead	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	Lab	LCS	1/30/2020	Metal	Lead	Total	=	51	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	Lab	LCS	2/4/2020	Metal	Lead	Total	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Lead	Total	=	49.1	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Lead	Total	=	49.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Lead	Total	=	0.09	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Lead	Total	=	57.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Lead	Total	=	56.9	µg/L	EPA 200.8	0.031	0.2			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Lead	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/22/2020	Metal	Mercury	Dissolved	=	1090	ng/L	EPA 245.1	17	50			
2019/20-2	000NONPJ	matrix spike, rec	1/22/2020	Metal	Mercury	Dissolved	=	109	%	EPA 245.1	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/22/2020	Metal	Mercury	Dissolved	=	1070	ng/L	EPA 245.1	17	50			
2019/20-2	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Mercury	Dissolved	=	107	%	EPA 245.1	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	1/21/2020	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-2	Lab	LCS	1/21/2020	Metal	Mercury	Dissolved	=	1100	ng/L	EPA 245.1	17	50			
2019/20-2	Lab	LCS, rec	1/21/2020	Metal	Mercury	Dissolved	=	110	%	EPA 245.1	-88	-88	85	115	
2019/20-2	Lab	method blank	1/22/2020	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-2	Lab	LCS	1/22/2020	Metal	Mercury	Dissolved	=	1090	ng/L	EPA 245.1	17	50			
2019/20-2	Lab	LCS, rec	1/22/2020	Metal	Mercury	Dissolved	=	109	%	EPA 245.1	-88	-88	85	115	
2019/20-2	ME-CC	matrix spike	1/21/2020	Metal	Mercury	Dissolved	=	1080	ng/L	EPA 245.1	17	50			
2019/20-2	ME-CC	matrix spike, rec	1/21/2020	Metal	Mercury	Dissolved	=	108	%	EPA 245.1	-88	-88	70	130	
2019/20-2	ME-CC	matrix spike dup	1/21/2020	Metal	Mercury	Dissolved	=	1090	ng/L	EPA 245.1	17	50			
2019/20-2	ME-CC	matrix spike dup, rec	1/21/2020	Metal	Mercury	Dissolved	=	109	%	EPA 245.1	-88	-88	70	130	
2019/20-2	ME-CC	matrix spike, RPD	1/21/2020	Metal	Mercury	Dissolved	=	0.6	%	EPA 245.1	-88	-88	0	20	
2019/20-2	MO-HUE	matrix spike	1/22/2020	Metal	Mercury	Dissolved	=	999	ng/L	EPA 245.1	17	50			
2019/20-2	MO-HUE	matrix spike, rec	1/22/2020	Metal	Mercury	Dissolved	=	100	%	EPA 245.1	-88	-88	70	130	
2019/20-2	MO-HUE	matrix spike dup	1/22/2020	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2019/20-2	MO-HUE	matrix spike dup, rec	1/22/2020	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	70	130	
2019/20-2	MO-HUE	matrix spike, RPD	1/22/2020	Metal	Mercury	Dissolved	=	0.7	%	EPA 245.1	-88	-88	0	20	
2019/20-2	MO-SIM	matrix spike	1/21/2020	Metal	Mercury	Dissolved	=	1080	ng/L	EPA 245.1	17	50			
2019/20-2	MO-SIM	matrix spike, rec	1/21/2020	Metal	Mercury	Dissolved	=	108	%	EPA 245.1	-88	-88	70	130	
2019/20-2	MO-SIM	matrix spike dup	1/21/2020	Metal	Mercury	Dissolved	=	1090	ng/L	EPA 245.1	17	50			
2019/20-2	MO-SIM	matrix spike dup, rec	1/21/2020	Metal	Mercury	Dissolved	=	109	%	EPA 245.1	-88	-88	70	130	
2019/20-2	MO-SIM	matrix spike, RPD	1/21/2020	Metal	Mercury	Dissolved	=	1	%	EPA 245.1	-88	-88	0	20	
2019/20-2	000NONPJ	matrix spike	1/22/2020	Metal	Mercury	Total	=	1090	ng/L	EPA 245.1	17	50			
2019/20-2	000NONPJ	matrix spike, rec	1/22/2020	Metal	Mercury	Total	=	109	%	EPA 245.1	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/22/2020	Metal	Mercury	Total	=	1070	ng/L	EPA 245.1	17	50			
2019/20-2	000NONPJ	matrix spike dup, rec	1/22/2020	Metal	Mercury	Total	=	107	%	EPA 245.1	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/22/2020	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2019/20-2	Lab	method blank	1/21/2020	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-2	Lab	LCS	1/21/2020	Metal	Mercury	Total	=	1100	ng/L	EPA 245.1	17	50			
2019/20-2	Lab	LCS, rec	1/21/2020	Metal	Mercury	Total	=	110	%	EPA 245.1	-88	-88	85	115	
2019/20-2	Lab	method blank	1/22/2020	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-2	Lab	LCS	1/22/2020	Metal	Mercury	Total	=	1090	ng/L	EPA 245.1	17	50			
2019/20-2	Lab	LCS, rec	1/22/2020	Metal	Mercury	Total	=	109	%	EPA 245.1	-88	-88	85	115	
2019/20-2	ME-CC	matrix spike	1/21/2020	Metal	Mercury	Total	=	1080	ng/L	EPA 245.1	17	50			
2019/20-2	ME-CC	matrix spike, rec	1/21/2020	Metal	Mercury	Total	=	108	%	EPA 245.1	-88	-88	70	130	
2019/20-2	ME-CC	matrix spike dup	1/21/2020	Metal	Mercury	Total	=	1090	ng/L	EPA 245.1	17	50			
2019/20-2	ME-CC	matrix spike dup, rec	1/21/2020	Metal	Mercury	Total	=	109	%	EPA 245.1	-88	-88	70	130	
2019/20-2	ME-CC	matrix spike, RPD	1/21/2020	Metal	Mercury	Total	=	0.6	%	EPA 245.1	-88	-88	0	20	
2019/20-2	MO-HUE	matrix spike	1/22/2020	Metal	Mercury	Total	=	999	ng/L	EPA 245.1	17	50			
2019/20-2	MO-HUE	matrix spike, rec	1/22/2020	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2019/20-2	MO-HUE	matrix spike dup	1/22/2020	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2019/20-2	MO-HUE	matrix spike dup, rec	1/22/2020	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2019/20-2	MO-HUE	matrix spike, RPD	1/22/2020	Metal	Mercury	Total	=	0.7	%	EPA 245.1	-88	-88	0	20	
2019/20-2	MO-SIM	matrix spike	1/21/2020	Metal	Mercury	Total	=	1080	ng/L	EPA 245.1	17	50			
2019/20-2	MO-SIM	matrix spike, rec	1/21/2020	Metal	Mercury	Total	=	108	%	EPA 245.1	-88	-88	70	130	
2019/20-2	MO-SIM	matrix spike dup	1/21/2020	Metal	Mercury	Total	=	1090	ng/L	EPA 245.1	17	50			
2019/20-2	MO-SIM	matrix spike dup, rec	1/21/2020	Metal	Mercury	Total	=	109	%	EPA 245.1	-88	-88	70	130	
2019/20-2	MO-SIM	matrix spike, RPD	1/21/2020	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	1/30/2020	Metal	Nickel	Dissolved	DNQ	0.0692	µg/L	EPA 200.8	0.045	0.8			IP
2019/20-2	Lab	LCS	1/30/2020	Metal	Nickel	Dissolved	=	48.6	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Nickel	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	Lab	LCS	2/4/2020	Metal	Nickel	Dissolved	=	49.2	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Nickel	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Nickel	Total	=	53.5	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Nickel	Total	=	54	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Nickel	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Nickel	Total	=	53.7	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Nickel	Total	=	53.2	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Nickel	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Nickel	Total	DNQ	0.28	µg/L	EPA 200.8	0.045	0.8			IP
2019/20-2	Lab	LCS	1/30/2020	Metal	Nickel	Total	=	48.6	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Nickel	Total	DNQ	0.122	µg/L	EPA 200.8	0.045	0.8			IP
2019/20-2	Lab	LCS	2/4/2020	Metal	Nickel	Total	=	49.2	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Nickel	Total	=	48.2	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Nickel	Total	=	47.8	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Nickel	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Nickel	Total	=	55.3	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Nickel	Total	=	54	µg/L	EPA 200.8	0.045	0.8			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	Lab	LCS	1/30/2020	Metal	Selenium	Dissolved	=	51.1	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Selenium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	Lab	LCS	2/4/2020	Metal	Selenium	Dissolved	=	49.7	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Selenium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Selenium	Total	=	46.5	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Selenium	Total	=	44.4	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Selenium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Selenium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Selenium	Total	=	48.7	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Selenium	Total	=	47.1	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	Lab	LCS	1/30/2020	Metal	Selenium	Total	=	51.1	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	Lab	LCS	2/4/2020	Metal	Selenium	Total	=	49.7	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Selenium	Total	=	48.2	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Selenium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Selenium	Total	=	47.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Selenium	Total	=	48.1	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Selenium	Total	=	48.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Selenium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	Lab	LCS	1/30/2020	Metal	Silver	Dissolved	=	50.8	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Silver	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	Lab	LCS	2/4/2020	Metal	Silver	Dissolved	=	52.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Silver	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Silver	Total	=	48.4	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Silver	Total	=	48.9	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Silver	Total	=	48.7	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Silver	Total	=	48.9	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Silver	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	Lab	LCS	1/30/2020	Metal	Silver	Total	=	50.8	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	Lab	LCS	2/4/2020	Metal	Silver	Total	=	52.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Silver	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Silver	Total	=	47	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Silver	Total	=	47	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Silver	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Silver	Total	=	49.4	µg/L	EPA 200.8	0.062	0.2			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Silver	Total	=	49.4	µg/L	EPA 200.8	0.062	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Silver	Total	=	0.004	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	Lab	LCS	1/30/2020	Metal	Thallium	Dissolved	=	50.1	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Thallium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	Lab	LCS	2/4/2020	Metal	Thallium	Dissolved	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Thallium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Thallium	Total	=	47.7	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Thallium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Thallium	Total	=	49.3	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Thallium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Thallium	Total	=	48.6	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Thallium	Total	=	49	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	Lab	LCS	1/30/2020	Metal	Thallium	Total	=	50.1	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	Lab	LCS	2/4/2020	Metal	Thallium	Total	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Thallium	Total	=	49.5	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Thallium	Total	=	49	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Thallium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Thallium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Thallium	Total	=	49.7	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Thallium	Total	=	49.7	µg/L	EPA 200.8	0.014	0.2			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Thallium	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Zinc	Dissolved	DNQ	1.12	µg/L	EPA 200.8	0.94	5			IP
2019/20-2	Lab	LCS	1/30/2020	Metal	Zinc	Dissolved	=	50.9	µg/L	EPA 200.8	0.94	5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Zinc	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-2	Lab	LCS	2/4/2020	Metal	Zinc	Dissolved	=	52.1	µg/L	EPA 200.8	0.94	5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Zinc	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Zinc	Total	=	285	µg/L	EPA 200.8	0.94	5			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Zinc	Total	=	83	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Zinc	Total	=	288	µg/L	EPA 200.8	0.94	5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Zinc	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Zinc	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/30/2020	Metal	Zinc	Total	=	155	µg/L	EPA 200.8	0.94	5			
2019/20-2	000NONPJ	matrix spike, rec	1/30/2020	Metal	Zinc	Total	=	98	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike dup	1/30/2020	Metal	Zinc	Total	=	154	µg/L	EPA 200.8	0.94	5			
2019/20-2	000NONPJ	matrix spike dup, rec	1/30/2020	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/30/2020	Metal	Zinc	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Metal	Zinc	Total	DNQ	0.954	µg/L	EPA 200.8	0.94	5			IP
2019/20-2	Lab	LCS	1/30/2020	Metal	Zinc	Total	=	50.9	µg/L	EPA 200.8	0.94	5			
2019/20-2	Lab	LCS, rec	1/30/2020	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-2	Lab	method blank	2/4/2020	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-2	Lab	LCS	2/4/2020	Metal	Zinc	Total	=	52.1	µg/L	EPA 200.8	0.94	5			
2019/20-2	Lab	LCS, rec	2/4/2020	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-2	ME-VR2	matrix spike	2/4/2020	Metal	Zinc	Total	=	47.6	µg/L	EPA 200.8	0.94	5			
2019/20-2	ME-VR2	matrix spike, rec	2/4/2020	Metal	Zinc	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike dup	2/4/2020	Metal	Zinc	Total	=	46	µg/L	EPA 200.8	0.94	5			
2019/20-2	ME-VR2	matrix spike dup, rec	2/4/2020	Metal	Zinc	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2019/20-2	ME-VR2	matrix spike, RPD	2/4/2020	Metal	Zinc	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-2	MO-SPA	matrix spike	2/4/2020	Metal	Zinc	Total	=	171	µg/L	EPA 200.8	0.94	5			
2019/20-2	MO-SPA	matrix spike, rec	2/4/2020	Metal	Zinc	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike dup	2/4/2020	Metal	Zinc	Total	=	171	µg/L	EPA 200.8	0.94	5			
2019/20-2	MO-SPA	matrix spike dup, rec	2/4/2020	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-2	MO-SPA	matrix spike, RPD	2/4/2020	Metal	Zinc	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Nutrient	Ammonia as N	n/a	=	0.232	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Nutrient	Ammonia as N	n/a	=	93	%	EPA 350.1	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Nutrient	Ammonia as N	n/a	=	0.235	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Nutrient	Ammonia as N	n/a	=	94	%	EPA 350.1	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2019/20-2	000NONPJ	matrix spike	1/20/2020	Nutrient	Ammonia as N	n/a	=	0.228	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/20/2020	Nutrient	Ammonia as N	n/a	=	91	%	EPA 350.1	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike dup	1/20/2020	Nutrient	Ammonia as N	n/a	=	0.229	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/20/2020	Nutrient	Ammonia as N	n/a	=	92	%	EPA 350.1	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/20/2020	Nutrient	Ammonia as N	n/a	=	0.5	%	EPA 350.1	-88	-88	0	15	
2019/20-2	000NONPJ	matrix spike	1/22/2020	Nutrient	Ammonia as N	n/a	=	0.273	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/22/2020	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike dup	1/22/2020	Nutrient	Ammonia as N	n/a	=	0.272	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/22/2020	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/22/2020	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2019/20-2	000NONPJ	matrix spike	1/22/2020	Nutrient	Ammonia as N	n/a	=	0.251	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/22/2020	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike dup	1/22/2020	Nutrient	Ammonia as N	n/a	=	0.252	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/22/2020	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/22/2020	Nutrient	Ammonia as N	n/a	=	0.7	%	EPA 350.1	-88	-88	0	15	
2019/20-2	Lab	method blank	1/20/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	Lab	LCS	1/20/2020	Nutrient	Ammonia as N	n/a	=	0.23	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	Lab	LCS, rec	1/20/2020	Nutrient	Ammonia as N	n/a	=	92	%	EPA 350.1	-88	-88	90	110	
2019/20-2	Lab	method blank	1/20/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	Lab	LCS	1/20/2020	Nutrient	Ammonia as N	n/a	=	0.226	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	Lab	LCS, rec	1/20/2020	Nutrient	Ammonia as N	n/a	=	90	%	EPA 350.1	-88	-88	90	110	
2019/20-2	Lab	method blank	1/22/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	Lab	LCS	1/22/2020	Nutrient	Ammonia as N	n/a	=	0.254	mg/L	EPA 350.1	0.012	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, rec	1/22/2020	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2019/20-2	Lab	method blank	1/22/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	Lab	LCS	1/22/2020	Nutrient	Ammonia as N	n/a	=	0.252	mg/L	EPA 350.1	0.012	0.1			
2019/20-2	Lab	LCS, rec	1/22/2020	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2019/20-2	Lab	method blank	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	Lab	LCS	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	1.04	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	Lab	LCS, rec	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2019/20-2	ME-CC	matrix spike	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	7.41	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	ME-CC	matrix spike, rec	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-2	ME-CC	matrix spike dup	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	7.43	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	ME-CC	matrix spike dup, rec	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-2	ME-CC	matrix spike, RPD	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0.3	%	EPA 353.2	-88	-88	0	20	
2019/20-2	ME-SCR	matrix spike	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	3.36	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	ME-SCR	matrix spike, rec	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2019/20-2	ME-SCR	matrix spike dup	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	3.36	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	ME-SCR	matrix spike dup, rec	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2019/20-2	ME-SCR	matrix spike, RPD	1/20/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-2	000NONPJ	matrix spike	1/17/2020	Nutrient	Nitrate as N	n/a	=	3.03	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/17/2020	Nutrient	Nitrate as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike dup	1/17/2020	Nutrient	Nitrate as N	n/a	=	3.03	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/17/2020	Nutrient	Nitrate as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike, RPD	1/17/2020	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-2	Lab	method blank	1/17/2020	Nutrient	Nitrate as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	Lab	LCS	1/17/2020	Nutrient	Nitrate as N	n/a	=	0.985	mg/L	EPA 353.2	0.08	0.2			
2019/20-2	Lab	LCS, rec	1/17/2020	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-2	000NONPJ	matrix spike	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	1.07	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike, rec	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	1.02	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike dup, rec	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	5	%	EPA 200.7	-88	-88	0	30	
2019/20-2	Lab	method blank	1/31/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	method blank	1/31/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	0.982	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS, rec	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	LCS	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	0.968	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS, rec	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	97	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	method blank	2/3/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS	2/3/2020	Nutrient	Phosphorus as P	Dissolved	=	1.07	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS, rec	2/3/2020	Nutrient	Phosphorus as P	Dissolved	=	107	%	EPA 200.7	-88	-88	85	115	
2019/20-2	ME-CC	matrix spike	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	2.53	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	ME-CC	matrix spike, rec	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-CC	matrix spike dup	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	2.52	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	ME-CC	matrix spike dup, rec	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 200.7	-88	-88	70	130	
2019/20-2	ME-CC	matrix spike, RPD	1/31/2020	Nutrient	Phosphorus as P	Dissolved	=	0.5	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Nutrient	Phosphorus as P	Total	=	7.95	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Nutrient	Phosphorus as P	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Nutrient	Phosphorus as P	Total	=	7.96	mg/L	EPA 200.7	0.012	0.02			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Nutrient	Phosphorus as P	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Nutrient	Phosphorus as P	Total	=	0.09	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/3/2020	Nutrient	Phosphorus as P	Total	=	1.18	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike, rec	2/3/2020	Nutrient	Phosphorus as P	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/3/2020	Nutrient	Phosphorus as P	Total	=	1.16	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike dup, rec	2/3/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/3/2020	Nutrient	Phosphorus as P	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/5/2020	Nutrient	Phosphorus as P	Total	=	1.17	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike, rec	2/5/2020	Nutrient	Phosphorus as P	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/5/2020	Nutrient	Phosphorus as P	Total	=	1.18	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike dup, rec	2/5/2020	Nutrient	Phosphorus as P	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/5/2020	Nutrient	Phosphorus as P	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/5/2020	Nutrient	Phosphorus as P	Total	=	1.25	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike, rec	2/5/2020	Nutrient	Phosphorus as P	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	2/5/2020	Nutrient	Phosphorus as P	Total	=	1.27	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	000NONPJ	matrix spike dup, rec	2/5/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	2/5/2020	Nutrient	Phosphorus as P	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-2	Lab	method blank	2/3/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS	2/3/2020	Nutrient	Phosphorus as P	Total	=	1.07	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS, rec	2/3/2020	Nutrient	Phosphorus as P	Total	=	107	%	EPA 200.7	-88	-88	85	115	
2019/20-2	Lab	method blank	2/5/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS	2/5/2020	Nutrient	Phosphorus as P	Total	=	1.02	mg/L	EPA 200.7	0.012	0.02			
2019/20-2	Lab	LCS, rec	2/5/2020	Nutrient	Phosphorus as P	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2019/20-2	000NONPJ	matrix spike	1/29/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			GB,IL
2019/20-2	000NONPJ	matrix spike, rec	1/29/2020	Nutrient	TKN	n/a	=	0	%	EPA 351.2	-88	-88	90	110	GB,IL
2019/20-2	000NONPJ	matrix spike dup	1/29/2020	Nutrient	TKN	n/a	=	0.158	mg/L	EPA 351.2	0.018	0.1			GB,IL
2019/20-2	000NONPJ	matrix spike dup, rec	1/29/2020	Nutrient	TKN	n/a	=	16	%	EPA 351.2	-88	-88	90	110	GB,IL
2019/20-2	000NONPJ	matrix spike, RPD	1/29/2020	Nutrient	TKN	n/a	=	200	%	EPA 351.2	-88	-88	0	10	GB,IL
2019/20-2	000NONPJ	matrix spike	1/29/2020	Nutrient	TKN	n/a	=	1.1	mg/L	EPA 351.2	0.018	0.1			GB,IL
2019/20-2	000NONPJ	matrix spike, rec	1/29/2020	Nutrient	TKN	n/a	=	55	%	EPA 351.2	-88	-88	90	110	GB,IL
2019/20-2	000NONPJ	matrix spike dup	1/29/2020	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.018	0.1			GB,IL
2019/20-2	000NONPJ	matrix spike dup, rec	1/29/2020	Nutrient	TKN	n/a	=	62	%	EPA 351.2	-88	-88	90	110	GB,IL
2019/20-2	000NONPJ	matrix spike, RPD	1/29/2020	Nutrient	TKN	n/a	=	12	%	EPA 351.2	-88	-88	0	10	GB,IL
2019/20-2	Lab	method blank	1/28/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-2	Lab	LCS	1/28/2020	Nutrient	TKN	n/a	=	0.967	mg/L	EPA 351.2	0.018	0.1			
2019/20-2	Lab	LCS, rec	1/28/2020	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2019/20-2	Lab	method blank	1/29/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-2	Lab	LCS	1/29/2020	Nutrient	TKN	n/a	=	0.954	mg/L	EPA 351.2	0.018	0.1			
2019/20-2	Lab	LCS, rec	1/29/2020	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2019/20-2	MO-THO	matrix spike	1/28/2020	Nutrient	TKN	n/a	=	1.53	mg/L	EPA 351.2	0.018	0.1			
2019/20-2	MO-THO	matrix spike, rec	1/28/2020	Nutrient	TKN	n/a	=	110	%	EPA 351.2	-88	-88	90	110	
2019/20-2	MO-THO	matrix spike dup	1/28/2020	Nutrient	TKN	n/a	=	1.51	mg/L	EPA 351.2	0.018	0.1			
2019/20-2	MO-THO	matrix spike dup, rec	1/28/2020	Nutrient	TKN	n/a	=	108	%	EPA 351.2	-88	-88	90	110	
2019/20-2	MO-THO	matrix spike, RPD	1/28/2020	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2019/20-2	Lab	method blank	2/6/2020	Organic	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	21.4	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	86	%	EPA 625.1	-88	-88	57	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	20.8	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	83	%	EPA 625.1	-88	-88	57	130	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	1,2-Dichlorobenzene	n/a	=	20.7	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	1,2-Dichlorobenzene	n/a	=	83	%	EPA 625.1	-88	-88	57	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	1,2-Dichlorobenzene	n/a	=	19.7	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	1,2-Dichlorobenzene	n/a	=	79	%	EPA 625.1	-88	-88	57	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	1,2-Dichlorobenzene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	srgt LCS	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	53.5	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2019/20-2	Lab	srgt LCS dup	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	52.9	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	106	%	EPA 624	-88	-88	82	125	
2019/20-2	Lab	srgt method blank	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	59.2	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	118	%	EPA 624	-88	-88	82	125	
2019/20-2	Lab	srgt LCS	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	50	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2019/20-2	Lab	srgt LCS dup	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2019/20-2	Lab	srgt method blank	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	59.9	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	120	%	EPA 624	-88	-88	82	125	
2019/20-2	ME-CC	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	60.7	µg/L	EPA 624	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	121	%	EPA 624	-88	-88	82	125	
2019/20-2	ME-SCR	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	63.5	µg/L	EPA 624	-88	-88			GN
2019/20-2	ME-SCR	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	127	%	EPA 624	-88	-88	82	125	GN
2019/20-2	ME-VR2	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	61.2	µg/L	EPA 624	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	122	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-CAM	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	62.1	µg/L	EPA 624	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	124	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-CAM	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	62.5	µg/L	EPA 624	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	125	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-CAM	srgt field blank	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	63.6	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-CAM	srgt field blank, rec	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	127	%	EPA 624	-88	-88	82	125	GN
2019/20-2	MO-FIL	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	62.4	µg/L	EPA 624	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	125	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-HUE	srgt environ	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	61.8	µg/L	EPA 624	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	124	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-MEI	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	62.3	µg/L	EPA 624	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	125	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-MPK	srgt environ	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	61.5	µg/L	EPA 624	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	123	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-OJA	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	62.7	µg/L	EPA 624	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	125	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-oxn	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	62.4	µg/L	EPA 624	-88	-88			
2019/20-2	MO-oxn	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	125	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-SIM	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	63.9	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-SIM	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	128	%	EPA 624	-88	-88	82	125	GN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-SPA	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	63.1	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-SPA	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	126	%	EPA 624	-88	-88	82	125	GN
2019/20-2	MO-THO	srgt environ	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	61.1	µg/L	EPA 624	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/18/2020	Organic	1,2-Dichloroethane-d4	n/a	=	122	%	EPA 624	-88	-88	82	125	
2019/20-2	MO-VEN	srgt environ	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	60.9	µg/L	EPA 624	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/17/2020	Organic	1,2-Dichloroethane-d4	n/a	=	122	%	EPA 624	-88	-88	82	125	
2019/20-2	Lab	method blank	2/6/2020	Organic	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-2	Lab	method blank	2/6/2020	Organic	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	1,3-Dichlorobenzene	n/a	=	21.6	µg/L	EPA 625.1	0.42	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	1,3-Dichlorobenzene	n/a	=	86	%	EPA 625.1	-88	-88	55	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	1,3-Dichlorobenzene	n/a	=	20.7	µg/L	EPA 625.1	0.42	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	1,3-Dichlorobenzene	n/a	=	83	%	EPA 625.1	-88	-88	55	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	1,3-Dichlorobenzene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	000NONPJ	srgt matrix spike	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.565	µg/L	EPA 525.2m	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	113	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	000NONPJ	srgt matrix spike dup	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.557	µg/L	EPA 525.2m	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike dup, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	Lab	srgt method blank	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.85	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt LCS	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.91	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt LCS dup	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.92	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt method blank	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt LCS	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt LCS dup	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt method blank	1/27/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.486	µg/L	EPA 525.2m	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/27/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	Lab	srgt LCS	1/27/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.517	µg/L	EPA 525.2m	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/27/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	ME-CC	srgt environ	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	24.4	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-2	ME-CC	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	13	µg/L	EPA 525.2m	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	ME-SCR	srgt environ	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	25.4	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2019/20-2	ME-SCR	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	12.9	µg/L	EPA 525.2m	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	ME-VR2	srgt environ	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-2	ME-VR2	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.537	µg/L	EPA 525.2m	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-CAM	srgt environ	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	24.3	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-CAM	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.05	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-FIL	srgt environ	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	25.1	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-FIL	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.531	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-HUE	srgt environ	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.33	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-HUE	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1.11	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-MEI	srgt environ	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-MEI	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	13.4	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-MPK	srgt environ	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-MPK	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	13.8	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-OJA	srgt environ	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	25.4	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-OJA	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.69	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-OXN	srgt environ	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	24.9	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-OXN	srgt environ, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-OXN	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.991	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-OXN	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-SIM	srgt environ	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	27.6	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-SIM	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.552	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-SPA	srgt environ	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-SPA	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	13	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-THO	srgt environ	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	26.6	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-THO	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.543	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	MO-VEN	srgt environ	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.05	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/23/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-VEN	srgt environ	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.558	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/28/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	112	%	EPA 525.2m	-88	-88	76	128	
2019/20-2	Lab	method blank	2/6/2020	Organic	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	1,4-Dichlorobenzene	n/a	=	22	µg/L	EPA 625.1	0.48	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	1,4-Dichlorobenzene	n/a	=	88	%	EPA 625.1	-88	-88	55	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	1,4-Dichlorobenzene	n/a	=	21.2	µg/L	EPA 625.1	0.48	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	1,4-Dichlorobenzene	n/a	=	85	%	EPA 625.1	-88	-88	55	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	1,4-Dichlorobenzene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	method blank	1/31/2020	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2019/20-2	Lab	srgt method blank	1/31/2020	Organic	2,4,6-Tribromophenol	n/a	=	4.05	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/31/2020	Organic	2,4,6-Tribromophenol	n/a	=	41	%	EPA 8270C	-88	-88	26	117	
2019/20-2	Lab	srgt LCS	1/31/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.39	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/31/2020	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2019/20-2	Lab	srgt LCS dup	1/31/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.11	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/31/2020	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 8270C	-88	-88	26	117	
2019/20-2	Lab	srgt method blank	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	4.73	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	47	%	EPA 625.1	-88	-88	25	120	
2019/20-2	Lab	srgt LCS	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	44.1	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625.1	-88	-88	25	120	
2019/20-2	Lab	srgt LCS dup	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	44.9	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 625.1	-88	-88	25	120	
2019/20-2	ME-CC	srgt environ	1/31/2020	Organic	2,4,6-Tribromophenol	n/a	=	31.8	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/31/2020	Organic	2,4,6-Tribromophenol	n/a	=	64	%	EPA 8270C	-88	-88	26	117	
2019/20-2	ME-CC	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	33	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625.1	-88	-88	25	120	
2019/20-2	ME-SCR	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	28.9	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	58	%	EPA 8270C	-88	-88	26	117	
2019/20-2	ME-SCR	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	31.7	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	63	%	EPA 625.1	-88	-88	25	120	
2019/20-2	ME-VR2	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.74	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	67	%	EPA 8270C	-88	-88	26	117	
2019/20-2	ME-VR2	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.46	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-CAM	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.89	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-CAM	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.88	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-FIL	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	9.39	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-FIL	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	9.38	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-HUE	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.03	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-HUE	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	9.12	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	91	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-MEI	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	37.1	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-MEI	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	43.5	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-MPK	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.24	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-MPK	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.19	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625.1	-88	-88	25	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-OJA	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.15	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-OJA	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.22	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-OXN	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	1.79	µg/L	EPA 8270C	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	18	%	EPA 8270C	-88	-88	26	117	GN
2019/20-2	MO-OXN	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	1.67	µg/L	EPA 625.1	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	17	%	EPA 625.1	-88	-88	25	120	GN
2019/20-2	MO-SIM	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	9.16	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-SIM	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	10.1	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	101	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-SPA	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	11.3	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	113	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-SPA	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	10.4	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	104	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-THO	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.06	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-THO	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.75	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625.1	-88	-88	25	120	
2019/20-2	MO-VEN	srgt environ	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	9.47	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/1/2020	Organic	2,4,6-Tribromophenol	n/a	=	95	%	EPA 8270C	-88	-88	26	117	
2019/20-2	MO-VEN	srgt environ	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	9.99	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/6/2020	Organic	2,4,6-Tribromophenol	n/a	=	100	%	EPA 625.1	-88	-88	25	120	
2019/20-2	Lab	method blank	1/31/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-2	Lab	LCS	1/31/2020	Organic	2,4,6-Trichlorophenol	n/a	=	8.67	µg/L	EPA 8270C	0.3	1			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	2,4,6-Trichlorophenol	n/a	=	87	%	EPA 8270C	-88	-88	30	115	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	2,4,6-Trichlorophenol	n/a	=	9.14	µg/L	EPA 8270C	0.3	1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	2,4,6-Trichlorophenol	n/a	=	91	%	EPA 8270C	-88	-88	30	115	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	2,4,6-Trichlorophenol	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	2,4,6-Trichlorophenol	n/a	=	18	µg/L	EPA 625.1	0.22	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 625.1	-88	-88	52	129	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2,4,6-Trichlorophenol	n/a	=	18.6	µg/L	EPA 625.1	0.22	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 625.1	-88	-88	52	129	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2,4,6-Trichlorophenol	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/31/2020	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2019/20-2	Lab	LCS	1/31/2020	Organic	2,4-Dichlorophenol	n/a	=	8.03	µg/L	EPA 8270C	0.51	1			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	2,4-Dichlorophenol	n/a	=	80	%	EPA 8270C	-88	-88	32	105	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	2,4-Dichlorophenol	n/a	=	8.4	µg/L	EPA 8270C	0.51	1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	2,4-Dichlorophenol	n/a	=	84	%	EPA 8270C	-88	-88	32	105	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	2,4-Dichlorophenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	2,4-Dichlorophenol	n/a	=	20.6	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2,4-Dichlorophenol	n/a	=	83	%	EPA 625.1	-88	-88	53	122	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2,4-Dichlorophenol	n/a	=	20.9	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2,4-Dichlorophenol	n/a	=	84	%	EPA 625.1	-88	-88	53	122	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2,4-Dichlorophenol	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-2	000NONPJ	srgt matrix spike	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.4	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	srgt matrix spike dup	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.73	µg/L	EPA 515.4	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike dup, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-2	Lab	srgt method blank	1/24/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.75	µg/L	EPA 515.4	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/24/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-2	Lab	srgt LCS	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.92	µg/L	EPA 515.4	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-2	ME-CC	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.66	µg/L	EPA 515.4	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-2	ME-SCR	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.96	µg/L	EPA 515.4	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-2	ME-VR2	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.22	µg/L	EPA 515.4	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-CAM	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-FIL	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-HUE	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.77	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-MEI	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-MPK	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-OJA	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-OXN	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-OXN	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-SIM	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-SPA	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.8	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	108	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-THO	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.9	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-2	MO-VEN	srgt environ	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.4	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/25/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.4	-88	-88	70	130	
2019/20-2	Lab	method blank	1/31/2020	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-2	Lab	LCS	1/31/2020	Organic	2,4-Dimethylphenol	n/a	=	5.15	µg/L	EPA 8270C	1	2			IL
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	2,4-Dimethylphenol	n/a	=	51	%	EPA 8270C	-88	-88	31	97	IL
2019/20-2	Lab	LCS dup	1/31/2020	Organic	2,4-Dimethylphenol	n/a	=	3.52	µg/L	EPA 8270C	1	2			IL
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	2,4-Dimethylphenol	n/a	=	35	%	EPA 8270C	-88	-88	31	97	IL
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	2,4-Dimethylphenol	n/a	=	38	%	EPA 8270C	-88	-88	0	30	IL
2019/20-2	Lab	method blank	2/6/2020	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	2,4-Dimethylphenol	n/a	=	9.68	µg/L	EPA 625.1	0.3	1			EUM
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2,4-Dimethylphenol	n/a	=	39	%	EPA 625.1	-88	-88	42	120	EUM
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2,4-Dimethylphenol	n/a	=	10.1	µg/L	EPA 625.1	0.3	1			EUM

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2,4-Dimethylphenol	n/a	=	40	%	EPA 625.1	-88	-88	42	120	EUM
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2,4-Dimethylphenol	n/a	=	4	%	EPA 625.1	-88	-88	0	30	EUM
2019/20-2	Lab	method blank	1/31/2020	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-2	Lab	LCS	1/31/2020	Organic	2,4-Dinitrophenol	n/a	=	10.6	µg/L	EPA 8270C	1	2			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	2,4-Dinitrophenol	n/a	=	106	%	EPA 8270C	-88	-88	7	155	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	2,4-Dinitrophenol	n/a	=	12.7	µg/L	EPA 8270C	1	2			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	2,4-Dinitrophenol	n/a	=	127	%	EPA 8270C	-88	-88	7	155	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	2,4-Dinitrophenol	n/a	=	18	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10			
2019/20-2	Lab	LCS	2/6/2020	Organic	2,4-Dinitrophenol	n/a	=	32.8	µg/L	EPA 625.1	1.9	10			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2,4-Dinitrophenol	n/a	=	131	%	EPA 625.1	-88	-88	0.1	173	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2,4-Dinitrophenol	n/a	=	35.5	µg/L	EPA 625.1	1.9	10			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2,4-Dinitrophenol	n/a	=	142	%	EPA 625.1	-88	-88	0.1	173	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2,4-Dinitrophenol	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	2,4-Dinitrotoluene	n/a	=	27.8	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2,4-Dinitrotoluene	n/a	=	111	%	EPA 625.1	-88	-88	48	127	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2,4-Dinitrotoluene	n/a	=	27.5	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2,4-Dinitrotoluene	n/a	=	110	%	EPA 625.1	-88	-88	48	127	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2,4-Dinitrotoluene	n/a	=	0.9	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	2,6-Dinitrotoluene	n/a	=	18.3	µg/L	EPA 625.1	0.27	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2,6-Dinitrotoluene	n/a	=	73	%	EPA 625.1	-88	-88	68	137	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2,6-Dinitrotoluene	n/a	=	18.6	µg/L	EPA 625.1	0.27	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2,6-Dinitrotoluene	n/a	=	74	%	EPA 625.1	-88	-88	68	137	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2,6-Dinitrotoluene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	LCS	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	54	µg/L	EPA 624	0.19	1			
2019/20-2	Lab	LCS, rec	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	108	%	EPA 624	-88	-88	0.1	305	
2019/20-2	Lab	LCS dup	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	54.1	µg/L	EPA 624	0.19	1			
2019/20-2	Lab	LCS dup, rec	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	108	%	EPA 624	-88	-88	0.1	305	
2019/20-2	Lab	LCS, RPD	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	0.1	%	EPA 624	-88	-88	0	25	
2019/20-2	Lab	method blank	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1			
2019/20-2	Lab	LCS	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	51.1	µg/L	EPA 624	0.19	1			
2019/20-2	Lab	LCS, rec	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	102	%	EPA 624	-88	-88	0.1	305	
2019/20-2	Lab	LCS dup	1/18/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	51.5	µg/L	EPA 624	0.19	1			
2019/20-2	Lab	LCS dup, rec	1/18/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	103	%	EPA 624	-88	-88	0.1	305	
2019/20-2	Lab	LCS, RPD	1/18/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	0.8	%	EPA 624	-88	-88	0	25	
2019/20-2	Lab	method blank	1/18/2020	Organic	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1			
2019/20-2	MO-CAM	field duplicate	1/17/2020	Organic	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1			
2019/20-2	MO-CAM	field blank	1/18/2020	Organic	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1			
2019/20-2	Lab	method blank	2/6/2020	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	2-Chloronaphthalene	n/a	=	19.5	µg/L	EPA 625.1	0.45	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2-Chloronaphthalene	n/a	=	78	%	EPA 625.1	-88	-88	65	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2-Chloronaphthalene	n/a	=	19.5	µg/L	EPA 625.1	0.45	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2-Chloronaphthalene	n/a	=	78	%	EPA 625.1	-88	-88	65	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2-Chloronaphthalene	n/a	=	0.2	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/31/2020	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS	1/31/2020	Organic	2-Chlorophenol	n/a	=	8.09	µg/L	EPA 8270C	0.65	1			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	2-Chlorophenol	n/a	=	81	%	EPA 8270C	-88	-88	27	90	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	2-Chlorophenol	n/a	=	8.13	µg/L	EPA 8270C	0.65	1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	2-Chlorophenol	n/a	=	81	%	EPA 8270C	-88	-88	27	90	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	2-Chlorophenol	n/a	=	0.4	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	2-Chlorophenol	n/a	=	21	µg/L	EPA 625.1	0.28	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2-Chlorophenol	n/a	=	84	%	EPA 625.1	-88	-88	36	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2-Chlorophenol	n/a	=	20.8	µg/L	EPA 625.1	0.28	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2-Chlorophenol	n/a	=	83	%	EPA 625.1	-88	-88	36	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2-Chlorophenol	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	srgt method blank	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	3.47	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270C	-88	-88	51	139	
2019/20-2	Lab	srgt LCS	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	4.4	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	88	%	EPA 8270C	-88	-88	51	139	
2019/20-2	Lab	srgt LCS dup	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	4.22	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 8270C	-88	-88	51	139	
2019/20-2	Lab	srgt method blank	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	2.88	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 625.1	-88	-88	22	120	
2019/20-2	Lab	srgt LCS	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	18.1	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625.1	-88	-88	22	120	
2019/20-2	Lab	srgt LCS dup	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	18.5	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625.1	-88	-88	22	120	
2019/20-2	ME-CC	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	17.6	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270C	-88	-88	51	139	
2019/20-2	ME-CC	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	14.8	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625.1	-88	-88	22	120	
2019/20-2	ME-SCR	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	17.8	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270C	-88	-88	51	139	
2019/20-2	ME-SCR	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	15.1	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625.1	-88	-88	22	120	
2019/20-2	ME-VR2	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	3.65	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270C	-88	-88	51	139	
2019/20-2	ME-VR2	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	3.2	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-CAM	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	4.01	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-CAM	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	3.19	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-FIL	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	3.9	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-FIL	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	3.31	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-HUE	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	3.41	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-HUE	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	2.96	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625.1	-88	-88	22	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-MEI	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	18.6	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-MEI	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	16.3	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-MPK	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	2.86	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-MPK	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	2.36	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	47	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-OJA	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	3.17	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-OJA	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	2.47	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	49	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-OXN	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	0.515	µg/L	EPA 8270C	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	10	%	EPA 8270C	-88	-88	51	139	GN
2019/20-2	MO-OXN	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	0.369	µg/L	EPA 625.1	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	7	%	EPA 625.1	-88	-88	22	120	GN
2019/20-2	MO-SIM	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	4.09	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-SIM	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	3.55	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-SPA	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	4.11	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-SPA	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	3.39	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-THO	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	3.7	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-THO	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	3.23	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 625.1	-88	-88	22	120	
2019/20-2	MO-VEN	srgt environ	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	4.14	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/30/2020	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 8270C	-88	-88	51	139	
2019/20-2	MO-VEN	srgt environ	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	3.37	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/6/2020	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625.1	-88	-88	22	120	
2019/20-2	Lab	srgt method blank	1/31/2020	Organic	2-Fluorophenol	n/a	=	4.01	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/31/2020	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270C	-88	-88	11	62	
2019/20-2	Lab	srgt LCS	1/31/2020	Organic	2-Fluorophenol	n/a	=	5.34	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/31/2020	Organic	2-Fluorophenol	n/a	=	53	%	EPA 8270C	-88	-88	11	62	
2019/20-2	Lab	srgt LCS dup	1/31/2020	Organic	2-Fluorophenol	n/a	=	5.1	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/31/2020	Organic	2-Fluorophenol	n/a	=	51	%	EPA 8270C	-88	-88	11	62	
2019/20-2	Lab	srgt method blank	2/6/2020	Organic	2-Fluorophenol	n/a	=	4.17	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625.1	-88	-88	17	120	
2019/20-2	Lab	srgt LCS	2/6/2020	Organic	2-Fluorophenol	n/a	=	26.7	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625.1	-88	-88	17	120	
2019/20-2	Lab	srgt LCS dup	2/6/2020	Organic	2-Fluorophenol	n/a	=	26.6	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625.1	-88	-88	17	120	
2019/20-2	ME-CC	srgt environ	1/31/2020	Organic	2-Fluorophenol	n/a	=	20.9	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/31/2020	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270C	-88	-88	11	62	
2019/20-2	ME-CC	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	21.6	µg/L	EPA 625.1	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-CC	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625.1	-88	-88	17	120	
2019/20-2	ME-SCR	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	21.4	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270C	-88	-88	11	62	
2019/20-2	ME-SCR	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	21.8	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625.1	-88	-88	17	120	
2019/20-2	ME-VR2	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	4.4	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270C	-88	-88	11	62	
2019/20-2	ME-VR2	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	4.61	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-CAM	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	3.58	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-CAM	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	3.02	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	30	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-FIL	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	4.42	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-FIL	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	4.34	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-HUE	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	3.91	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	39	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-HUE	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	4.24	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-MEI	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	21.1	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-MEI	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	21.1	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-MPK	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	3.54	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	35	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-MPK	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	3.27	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	33	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-OJA	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	2.64	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	26	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-OJA	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	2.11	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	21	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-OXN	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	0.623	µg/L	EPA 8270C	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	6	%	EPA 8270C	-88	-88	11	62	GN
2019/20-2	MO-OXN	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	0.243	µg/L	EPA 625.1	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	2	%	EPA 625.1	-88	-88	17	120	GN
2019/20-2	MO-SIM	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	4.42	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-SIM	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	4.34	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-SPA	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	4.21	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-SPA	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	3.5	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	35	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-THO	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	4.42	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270C	-88	-88	11	62	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-THO	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	4.3	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625.1	-88	-88	17	120	
2019/20-2	MO-VEN	srgt environ	2/1/2020	Organic	2-Fluorophenol	n/a	=	3.91	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/1/2020	Organic	2-Fluorophenol	n/a	=	39	%	EPA 8270C	-88	-88	11	62	
2019/20-2	MO-VEN	srgt environ	2/6/2020	Organic	2-Fluorophenol	n/a	=	3.44	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/6/2020	Organic	2-Fluorophenol	n/a	=	34	%	EPA 625.1	-88	-88	17	120	
2019/20-2	Lab	method blank	1/30/2020	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	method blank	1/31/2020	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2019/20-2	Lab	method blank	1/31/2020	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2019/20-2	Lab	LCS	1/31/2020	Organic	2-Nitrophenol	n/a	=	8.45	µg/L	EPA 8270C	0.71	1			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	2-Nitrophenol	n/a	=	84	%	EPA 8270C	-88	-88	33	103	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	2-Nitrophenol	n/a	=	9.14	µg/L	EPA 8270C	0.71	1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	2-Nitrophenol	n/a	=	91	%	EPA 8270C	-88	-88	33	103	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	2-Nitrophenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	2-Nitrophenol	n/a	=	21.8	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	2-Nitrophenol	n/a	=	87	%	EPA 625.1	-88	-88	45	167	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	2-Nitrophenol	n/a	=	22.7	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	2-Nitrophenol	n/a	=	91	%	EPA 625.1	-88	-88	45	167	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	2-Nitrophenol	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5			
2019/20-2	Lab	LCS	2/6/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	21.9	µg/L	EPA 625.1	0.99	5			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	88	%	EPA 625.1	-88	-88	8	213	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	19.3	µg/L	EPA 625.1	0.99	5			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	77	%	EPA 625.1	-88	-88	8	213	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	13	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/31/2020	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-2	Lab	method blank	1/31/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2019/20-2	Lab	LCS	1/31/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.39	µg/L	EPA 8270C	0.14	1			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	84	%	EPA 8270C	-88	-88	33	118	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	10.4	µg/L	EPA 8270C	0.14	1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	104	%	EPA 8270C	-88	-88	33	118	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	22	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5			
2019/20-2	Lab	LCS	2/6/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	28.3	µg/L	EPA 625.1	1.4	5			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	113	%	EPA 625.1	-88	-88	53	130	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	29.6	µg/L	EPA 625.1	1.4	5			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	118	%	EPA 625.1	-88	-88	53	130	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	srgt LCS	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	53.6	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 624	-88	-88	88	108	
2019/20-2	Lab	srgt LCS dup	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	54.3	µg/L	EPA 624	-88	-88			GN
2019/20-2	Lab	srgt LCS dup, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	109	%	EPA 624	-88	-88	88	108	GN
2019/20-2	Lab	srgt method blank	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	42.7	µg/L	EPA 624	-88	-88			GN
2019/20-2	Lab	srgt method blank, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	85	%	EPA 624	-88	-88	88	108	GN
2019/20-2	Lab	srgt LCS	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	53.5	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	107	%	EPA 624	-88	-88	88	108	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	srgt LCS dup	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	54.8	µg/L	EPA 624	-88	-88			GN
2019/20-2	Lab	srgt LCS dup, rec	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	110	%	EPA 624	-88	-88	88	108	GN
2019/20-2	Lab	srgt method blank	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	43.4	µg/L	EPA 624	-88	-88			GN
2019/20-2	Lab	srgt method blank, rec	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	87	%	EPA 624	-88	-88	88	108	GN
2019/20-2	Lab	srgt LCS	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	51.4	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	103	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	Lab	srgt LCS dup	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	52.5	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	105	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	Lab	srgt method blank	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	96	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	ME-CC	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	42.5	µg/L	EPA 624	-88	-88			GN
2019/20-2	ME-CC	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	85	%	EPA 624	-88	-88	88	108	GN
2019/20-2	ME-CC	srgt environ	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	53.3	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	107	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	ME-SCR	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	43.4	µg/L	EPA 624	-88	-88			GN
2019/20-2	ME-SCR	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	87	%	EPA 624	-88	-88	88	108	GN
2019/20-2	ME-SCR	srgt environ	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	ME-VR2	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	43.2	µg/L	EPA 624	-88	-88			GN
2019/20-2	ME-VR2	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 624	-88	-88	88	108	GN
2019/20-2	ME-VR2	srgt environ	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	51.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/19/2020	Organic	4-Bromofluorobenzene	n/a	=	104	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-CAM	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-CAM	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 624	-88	-88	88	108	GN
2019/20-2	MO-CAM	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	43.7	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-CAM	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	87	%	EPA 624	-88	-88	88	108	GN
2019/20-2	MO-CAM	srgt field blank	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	42.8	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-CAM	srgt field blank, rec	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 624	-88	-88	88	108	GN
2019/20-2	MO-CAM	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	51.4	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	103	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-CAM	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	98	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-CAM	srgt field blank	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-CAM	srgt field blank, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-FIL	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	43.6	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-FIL	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	87	%	EPA 624	-88	-88	88	108	GN
2019/20-2	MO-FIL	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-HUE	srgt environ	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	42.8	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-HUE	srgt environ, rec	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 624	-88	-88	88	108	GN
2019/20-2	MO-HUE	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	51.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	104	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-MEI	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	42.1	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-MEI	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	84	%	EPA 624	-88	-88	88	108	GN
2019/20-2	MO-MEI	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	52.1	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	104	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-MPK	srgt environ	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	44.4	µg/L	EPA 624	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-MPK	srgt environ, rec	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	89	%	EPA 624	-88	-88	88	108	
2019/20-2	MO-MPK	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	52.8	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	106	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-OJA	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	43.8	µg/L	EPA 624	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 624	-88	-88	88	108	
2019/20-2	MO-OJA	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-OXN	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	44.3	µg/L	EPA 624	-88	-88			
2019/20-2	MO-OXN	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	89	%	EPA 624	-88	-88	88	108	
2019/20-2	MO-OXN	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	56.4	µg/L	LUFT GC/MS	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	113	%	LUFT GC/MS	-88	-88	83	110	GN
2019/20-2	MO-SIM	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	44.3	µg/L	EPA 624	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	89	%	EPA 624	-88	-88	88	108	
2019/20-2	MO-SIM	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	51.1	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-SPA	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	42.8	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-SPA	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 624	-88	-88	88	108	GN
2019/20-2	MO-SPA	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	53.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	107	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-THO	srgt environ	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	43.8	µg/L	EPA 624	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/18/2020	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 624	-88	-88	88	108	
2019/20-2	MO-THO	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	52.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	106	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	MO-VEN	srgt environ	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	43.2	µg/L	EPA 624	-88	-88			GN
2019/20-2	MO-VEN	srgt environ, rec	1/17/2020	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 624	-88	-88	88	108	GN
2019/20-2	MO-VEN	srgt environ	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	53.2	µg/L	LUFT GC/MS	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/20/2020	Organic	4-Bromofluorobenzene	n/a	=	106	%	LUFT GC/MS	-88	-88	83	110	
2019/20-2	Lab	method blank	2/6/2020	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	24.2	µg/L	EPA 625.1	0.36	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	97	%	EPA 625.1	-88	-88	65	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	23.4	µg/L	EPA 625.1	0.36	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	93	%	EPA 625.1	-88	-88	65	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/31/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2019/20-2	Lab	LCS	1/31/2020	Organic	4-Chloro-3-methylphenol	n/a	=	8.68	µg/L	EPA 8270C	0.37	1			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	4-Chloro-3-methylphenol	n/a	=	87	%	EPA 8270C	-88	-88	29	108	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	4-Chloro-3-methylphenol	n/a	=	8.78	µg/L	EPA 8270C	0.37	1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	4-Chloro-3-methylphenol	n/a	=	88	%	EPA 8270C	-88	-88	29	108	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	4-Chloro-3-methylphenol	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	4-Chloro-3-methylphenol	n/a	=	19.1	µg/L	EPA 625.1	0.23	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 625.1	-88	-88	41	128	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	4-Chloro-3-methylphenol	n/a	=	19.6	µg/L	EPA 625.1	0.23	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	4-Chloro-3-methylphenol	n/a	=	78	%	EPA 625.1	-88	-88	41	128	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	4-Chloro-3-methylphenol	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	22.1	µg/L	EPA 625.1	0.41	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	88	%	EPA 625.1	-88	-88	38	145	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.6	µg/L	EPA 625.1	0.41	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	86	%	EPA 625.1	-88	-88	38	145	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/31/2020	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-2	Lab	LCS	1/31/2020	Organic	4-Nitrophenol	n/a	=	3.56	µg/L	EPA 8270C	1	2			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	4-Nitrophenol	n/a	=	36	%	EPA 8270C	-88	-88	6	46	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	4-Nitrophenol	n/a	=	4.08	µg/L	EPA 8270C	1	2			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	4-Nitrophenol	n/a	=	41	%	EPA 8270C	-88	-88	6	46	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	4-Nitrophenol	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5			
2019/20-2	Lab	LCS	2/6/2020	Organic	4-Nitrophenol	n/a	=	12	µg/L	EPA 625.1	1.2	5			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	4-Nitrophenol	n/a	=	48	%	EPA 625.1	-88	-88	13	129	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	4-Nitrophenol	n/a	=	11.2	µg/L	EPA 625.1	1.2	5			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	4-Nitrophenol	n/a	=	45	%	EPA 625.1	-88	-88	13	129	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	4-Nitrophenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Acenaphthene	n/a	=	9.13	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Acenaphthene	n/a	=	91	%	EPA 8270C	-88	-88	11	122	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Acenaphthene	n/a	=	9.01	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Acenaphthene	n/a	=	90	%	EPA 8270C	-88	-88	11	122	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Acenaphthene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Acenaphthene	n/a	=	24	µg/L	EPA 625.1	0.38	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Acenaphthene	n/a	=	96	%	EPA 625.1	-88	-88	60	132	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Acenaphthene	n/a	=	23	µg/L	EPA 625.1	0.38	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Acenaphthene	n/a	=	92	%	EPA 625.1	-88	-88	60	132	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Acenaphthene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Acenaphthylene	n/a	=	9.23	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Acenaphthylene	n/a	=	92	%	EPA 8270C	-88	-88	4	135	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Acenaphthylene	n/a	=	9.07	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Acenaphthylene	n/a	=	91	%	EPA 8270C	-88	-88	4	135	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Acenaphthylene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Acenaphthylene	n/a	=	21.7	µg/L	EPA 625.1	0.17	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Acenaphthylene	n/a	=	87	%	EPA 625.1	-88	-88	54	126	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Acenaphthylene	n/a	=	21.8	µg/L	EPA 625.1	0.17	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Acenaphthylene	n/a	=	87	%	EPA 625.1	-88	-88	54	126	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Acenaphthylene	n/a	=	0.6	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Anthracene	n/a	=	8.94	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Anthracene	n/a	=	89	%	EPA 8270C	-88	-88	22	127	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Anthracene	n/a	=	8.91	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Anthracene	n/a	=	89	%	EPA 8270C	-88	-88	22	127	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Anthracene	n/a	=	0.3	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS	2/6/2020	Organic	Anthracene	n/a	=	23.2	µg/L	EPA 625.1	0.12	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Anthracene	n/a	=	93	%	EPA 625.1	-88	-88	43	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Anthracene	n/a	=	22.3	µg/L	EPA 625.1	0.12	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Anthracene	n/a	=	89	%	EPA 625.1	-88	-88	43	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Anthracene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Benz(a)anthracene	n/a	=	9.34	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Benz(a)anthracene	n/a	=	93	%	EPA 8270C	-88	-88	17	131	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Benz(a)anthracene	n/a	=	9.17	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Benz(a)anthracene	n/a	=	92	%	EPA 8270C	-88	-88	17	131	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Benz(a)anthracene	n/a	=	24.8	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Benz(a)anthracene	n/a	=	99	%	EPA 625.1	-88	-88	42	133	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Benz(a)anthracene	n/a	=	23.5	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Benz(a)anthracene	n/a	=	94	%	EPA 625.1	-88	-88	42	133	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Benz(a)anthracene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10			
2019/20-2	Lab	method blank	1/23/2020	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-2	Lab	LCS	1/23/2020	Organic	Benzo(a)pyrene	n/a	=	4.9	µg/L	EPA 525.2	0.07	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS dup	1/23/2020	Organic	Benzo(a)pyrene	n/a	=	5.02	µg/L	EPA 525.2	0.07	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Organic	Benzo(a)pyrene	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-2	Lab	LCS	1/24/2020	Organic	Benzo(a)pyrene	n/a	=	5.15	µg/L	EPA 525.2	0.07	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Organic	Benzo(a)pyrene	n/a	=	103	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS dup	1/24/2020	Organic	Benzo(a)pyrene	n/a	=	5.22	µg/L	EPA 525.2	0.07	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Organic	Benzo(a)pyrene	n/a	=	104	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Organic	Benzo(a)pyrene	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Benzo(a)pyrene	n/a	=	10.4	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Benzo(a)pyrene	n/a	=	104	%	EPA 8270C	-88	-88	12	131	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Benzo(a)pyrene	n/a	=	9.2	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 8270C	-88	-88	12	131	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Benzo(a)pyrene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Benzo(a)pyrene	n/a	=	24.7	µg/L	EPA 625.1	0.39	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Benzo(a)pyrene	n/a	=	99	%	EPA 625.1	-88	-88	32	148	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Benzo(a)pyrene	n/a	=	21.8	µg/L	EPA 625.1	0.39	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Benzo(a)pyrene	n/a	=	87	%	EPA 625.1	-88	-88	32	148	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Benzo(a)pyrene	n/a	=	12	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Benzo(b)fluoranthene	n/a	=	10	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Benzo(b)fluoranthene	n/a	=	100	%	EPA 8270C	-88	-88	19	129	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Benzo(b)fluoranthene	n/a	=	9.28	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Benzo(b)fluoranthene	n/a	=	93	%	EPA 8270C	-88	-88	19	129	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Benzo(b)fluoranthene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Benzo(b)fluoranthene	n/a	=	26.1	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Benzo(b)fluoranthene	n/a	=	104	%	EPA 625.1	-88	-88	42	140	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Benzo(b)fluoranthene	n/a	=	23	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Benzo(b)fluoranthene	n/a	=	92	%	EPA 625.1	-88	-88	42	140	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Benzo(b)fluoranthene	n/a	=	13	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Benzo(g,h,i)perylene	n/a	=	9.28	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Benzo(g,h,i)perylene	n/a	=	93	%	EPA 8270C	-88	-88	14	139	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Benzo(g,h,i)perylene	n/a	=	9.18	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Benzo(g,h,i)perylene	n/a	=	92	%	EPA 8270C	-88	-88	14	139	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Benzo(g,h,i)perylene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2			
2019/20-2	Lab	LCS	2/6/2020	Organic	Benzo(g,h,i)perylene	n/a	=	25.3	µg/L	EPA 625.1	0.42	2			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Benzo(g,h,i)perylene	n/a	=	101	%	EPA 625.1	-88	-88	0.1	195	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Benzo(g,h,i)perylene	n/a	=	23.7	µg/L	EPA 625.1	0.42	2			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Benzo(g,h,i)perylene	n/a	=	95	%	EPA 625.1	-88	-88	0.1	195	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Benzo(g,h,i)perylene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Benzo(k)fluoranthene	n/a	=	9.96	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Benzo(k)fluoranthene	n/a	=	100	%	EPA 8270C	-88	-88	22	127	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Benzo(k)fluoranthene	n/a	=	8.98	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Benzo(k)fluoranthene	n/a	=	90	%	EPA 8270C	-88	-88	22	127	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Benzo(k)fluoranthene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Benzo(k)fluoranthene	n/a	=	24.7	µg/L	EPA 625.1	0.22	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Benzo(k)fluoranthene	n/a	=	99	%	EPA 625.1	-88	-88	25	146	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Benzo(k)fluoranthene	n/a	=	22.5	µg/L	EPA 625.1	0.22	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Benzo(k)fluoranthene	n/a	=	90	%	EPA 625.1	-88	-88	25	146	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Benzo(k)fluoranthene	n/a	=	10	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.5	µg/L	EPA 625.1	0.25	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	86	%	EPA 625.1	-88	-88	49	165	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	21	µg/L	EPA 625.1	0.25	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	84	%	EPA 625.1	-88	-88	49	165	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	19.6	µg/L	EPA 625.1	0.27	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	78	%	EPA 625.1	-88	-88	43	126	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	18.9	µg/L	EPA 625.1	0.27	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	76	%	EPA 625.1	-88	-88	43	126	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.7	µg/L	EPA 625.1	0.38	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	79	%	EPA 625.1	-88	-88	63	139	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19	µg/L	EPA 625.1	0.38	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	76	%	EPA 625.1	-88	-88	63	139	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-2	Lab	LCS	1/23/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.56	µg/L	EPA 525.2	0.1	5			
2019/20-2	Lab	LCS, rec	1/23/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.67	µg/L	EPA 525.2	0.1	5			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-2	Lab	LCS	1/24/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.6	µg/L	EPA 525.2	0.1	5			
2019/20-2	Lab	LCS, rec	1/24/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.8	µg/L	EPA 525.2	0.1	5			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-2	Lab	LCS	1/23/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.27	µg/L	EPA 525.2	1.1	3			
2019/20-2	Lab	LCS, rec	1/23/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.39	µg/L	EPA 525.2	1.1	3			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-2	Lab	LCS	1/24/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.43	µg/L	EPA 525.2	1.1	3			
2019/20-2	Lab	LCS, rec	1/24/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.56	µg/L	EPA 525.2	1.1	3			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5			
2019/20-2	Lab	LCS	2/6/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	26.1	µg/L	EPA 625.1	2.3	5			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	104	%	EPA 625.1	-88	-88	29	137	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	25.1	µg/L	EPA 625.1	2.3	5			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	100	%	EPA 625.1	-88	-88	29	137	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Butyl benzyl phthalate	n/a	=	26.5	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Butyl benzyl phthalate	n/a	=	106	%	EPA 625.1	-88	-88	0.1	140	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Butyl benzyl phthalate	n/a	=	25.7	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Butyl benzyl phthalate	n/a	=	103	%	EPA 625.1	-88	-88	0.1	140	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Butyl benzyl phthalate	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Chrysene	n/a	=	9.77	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Chrysene	n/a	=	98	%	EPA 8270C	-88	-88	32	126	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Chrysene	n/a	=	9.66	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Chrysene	n/a	=	97	%	EPA 8270C	-88	-88	32	126	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Chrysene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Chrysene	n/a	=	25.2	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Chrysene	n/a	=	101	%	EPA 625.1	-88	-88	44	140	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Chrysene	n/a	=	23.1	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Chrysene	n/a	=	93	%	EPA 625.1	-88	-88	44	140	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Chrysene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Dibenz(a,h)anthracene	n/a	=	9.09	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Dibenz(a,h)anthracene	n/a	=	91	%	EPA 8270C	-88	-88	9	147	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Dibenz(a,h)anthracene	n/a	=	8.92	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Dibenz(a,h)anthracene	n/a	=	89	%	EPA 8270C	-88	-88	9	147	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Dibenz(a,h)anthracene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2			
2019/20-2	Lab	LCS	2/6/2020	Organic	Dibenz(a,h)anthracene	n/a	=	25	µg/L	EPA 625.1	0.53	2			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Dibenz(a,h)anthracene	n/a	=	100	%	EPA 625.1	-88	-88	0.1	200	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Dibenz(a,h)anthracene	n/a	=	24	µg/L	EPA 625.1	0.53	2			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Dibenz(a,h)anthracene	n/a	=	96	%	EPA 625.1	-88	-88	0.1	200	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Diethyl phthalate	n/a	=	24.4	µg/L	EPA 625.1	0.15	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Diethyl phthalate	n/a	=	98	%	EPA 625.1	-88	-88	0.1	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Diethyl phthalate	n/a	=	23.3	µg/L	EPA 625.1	0.15	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Diethyl phthalate	n/a	=	93	%	EPA 625.1	-88	-88	0.1	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Diethyl phthalate	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Dimethyl phthalate	n/a	=	21.4	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Dimethyl phthalate	n/a	=	86	%	EPA 625.1	-88	-88	0.1	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Dimethyl phthalate	n/a	=	21.1	µg/L	EPA 625.1	0.18	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Dimethyl phthalate	n/a	=	84	%	EPA 625.1	-88	-88	0.1	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Dimethyl phthalate	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Di-n-butylphthalate	n/a	=	26.3	µg/L	EPA 625.1	0.1	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Di-n-butylphthalate	n/a	=	105	%	EPA 625.1	-88	-88	8	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Di-n-butylphthalate	n/a	=	25.5	µg/L	EPA 625.1	0.1	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Di-n-butylphthalate	n/a	=	102	%	EPA 625.1	-88	-88	8	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Di-n-butylphthalate	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Di-n-octylphthalate	n/a	=	26.5	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Di-n-octylphthalate	n/a	=	106	%	EPA 625.1	-88	-88	19	132	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Di-n-octylphthalate	n/a	=	24.9	µg/L	EPA 625.1	0.46	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Di-n-octylphthalate	n/a	=	100	%	EPA 625.1	-88	-88	19	132	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Di-n-octylphthalate	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Fluoranthene	n/a	=	9.44	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Fluoranthene	n/a	=	94	%	EPA 8270C	-88	-88	22	131	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Fluoranthene	n/a	=	9.29	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Fluoranthene	n/a	=	93	%	EPA 8270C	-88	-88	22	131	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Fluoranthene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Fluoranthene	n/a	=	24.3	µg/L	EPA 625.1	0.08	1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Fluoranthene	n/a	=	97	%	EPA 625.1	-88	-88	43	121	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Fluoranthene	n/a	=	24.1	µg/L	EPA 625.1	0.08	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Fluoranthene	n/a	=	96	%	EPA 625.1	-88	-88	43	121	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Fluoranthene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Fluorene	n/a	=	9.04	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Fluorene	n/a	=	90	%	EPA 8270C	-88	-88	19	122	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Fluorene	n/a	=	9.05	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Fluorene	n/a	=	91	%	EPA 8270C	-88	-88	19	122	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Fluorene	n/a	=	0.1	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Fluorene	n/a	=	24.9	µg/L	EPA 625.1	0.35	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Fluorene	n/a	=	99	%	EPA 625.1	-88	-88	70	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Fluorene	n/a	=	24.3	µg/L	EPA 625.1	0.35	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Fluorene	n/a	=	97	%	EPA 625.1	-88	-88	70	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Fluorene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Hexachlorobenzene	n/a	=	23.6	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Hexachlorobenzene	n/a	=	94	%	EPA 625.1	-88	-88	8	142	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Hexachlorobenzene	n/a	=	22.8	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Hexachlorobenzene	n/a	=	91	%	EPA 625.1	-88	-88	8	142	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Hexachlorobenzene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Hexachlorobutadiene	n/a	=	21.3	µg/L	EPA 625.1	0.47	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Hexachlorobutadiene	n/a	=	85	%	EPA 625.1	-88	-88	38	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Hexachlorobutadiene	n/a	=	21	µg/L	EPA 625.1	0.47	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Hexachlorobutadiene	n/a	=	84	%	EPA 625.1	-88	-88	38	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Hexachlorobutadiene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5			
2019/20-2	Lab	LCS	2/6/2020	Organic	Hexachlorocyclopentadiene	n/a	=	9.6	µg/L	EPA 625.1	0.98	5			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Hexachlorocyclopentadiene	n/a	=	38	%	EPA 625.1	-88	-88	10	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Hexachlorocyclopentadiene	n/a	=	9.99	µg/L	EPA 625.1	0.98	5			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Hexachlorocyclopentadiene	n/a	=	40	%	EPA 625.1	-88	-88	10	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Hexachlorocyclopentadiene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Hexachloroethane	n/a	=	19.9	µg/L	EPA 625.1	0.5	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Hexachloroethane	n/a	=	79	%	EPA 625.1	-88	-88	55	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Hexachloroethane	n/a	=	19.3	µg/L	EPA 625.1	0.5	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Hexachloroethane	n/a	=	77	%	EPA 625.1	-88	-88	55	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Hexachloroethane	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/30/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.21	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	92	%	EPA 8270C	-88	-88	12	136	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.03	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	90	%	EPA 8270C	-88	-88	12	136	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS	2/6/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	25.6	µg/L	EPA 625.1	0.55	2			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	102	%	EPA 625.1	-88	-88	0.1	151	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	23.6	µg/L	EPA 625.1	0.55	2			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	95	%	EPA 625.1	-88	-88	0.1	151	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Isophorone	n/a	=	21.6	µg/L	EPA 625.1	0.21	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Isophorone	n/a	=	86	%	EPA 625.1	-88	-88	47	180	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Isophorone	n/a	=	20.5	µg/L	EPA 625.1	0.21	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Isophorone	n/a	=	82	%	EPA 625.1	-88	-88	47	180	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Isophorone	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	LCS	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	61.8	µg/L	EPA 624	0.4	1			
2019/20-2	Lab	LCS, rec	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	124	%	EPA 624	-88	-88	80	128	
2019/20-2	Lab	LCS dup	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	59.9	µg/L	EPA 624	0.4	1			
2019/20-2	Lab	LCS dup, rec	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	120	%	EPA 624	-88	-88	80	128	
2019/20-2	Lab	LCS, RPD	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	3	%	EPA 624	-88	-88	0	25	
2019/20-2	Lab	method blank	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1			
2019/20-2	Lab	LCS	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	59.6	µg/L	EPA 624	0.4	1			
2019/20-2	Lab	LCS, rec	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	119	%	EPA 624	-88	-88	80	128	
2019/20-2	Lab	LCS dup	1/18/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	57.6	µg/L	EPA 624	0.4	1			
2019/20-2	Lab	LCS dup, rec	1/18/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	115	%	EPA 624	-88	-88	80	128	
2019/20-2	Lab	LCS, RPD	1/18/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	3	%	EPA 624	-88	-88	0	25	
2019/20-2	Lab	method blank	1/18/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1			
2019/20-2	MO-CAM	field duplicate	1/17/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1			
2019/20-2	MO-CAM	field blank	1/18/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1			
2019/20-2	Lab	method blank	1/30/2020	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Naphthalene	n/a	=	8.69	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Naphthalene	n/a	=	87	%	EPA 8270C	-88	-88	12	136	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Naphthalene	n/a	=	8.33	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Naphthalene	n/a	=	83	%	EPA 8270C	-88	-88	12	136	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Naphthalene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Naphthalene	n/a	=	19.6	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Naphthalene	n/a	=	78	%	EPA 625.1	-88	-88	36	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Naphthalene	n/a	=	19.1	µg/L	EPA 625.1	0.49	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Naphthalene	n/a	=	76	%	EPA 625.1	-88	-88	36	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Naphthalene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Nitrobenzene	n/a	=	19.9	µg/L	EPA 625.1	0.36	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Nitrobenzene	n/a	=	80	%	EPA 625.1	-88	-88	54	158	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Nitrobenzene	n/a	=	19.7	µg/L	EPA 625.1	0.36	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Nitrobenzene	n/a	=	79	%	EPA 625.1	-88	-88	54	158	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Nitrobenzene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	srgt method blank	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.37	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270C	-88	-88	51	143	
2019/20-2	Lab	srgt LCS	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	4.26	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 8270C	-88	-88	51	143	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	srgt LCS dup	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	4.04	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 8270C	-88	-88	51	143	
2019/20-2	Lab	srgt method blank	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	2.88	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 625.1	-88	-88	47	120	
2019/20-2	Lab	srgt LCS	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	18.7	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625.1	-88	-88	47	120	
2019/20-2	Lab	srgt LCS dup	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	19.1	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625.1	-88	-88	47	120	
2019/20-2	ME-CC	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	16.5	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 8270C	-88	-88	51	143	
2019/20-2	ME-CC	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	15	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 625.1	-88	-88	47	120	
2019/20-2	ME-SCR	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	16.9	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2019/20-2	ME-SCR	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	15	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 625.1	-88	-88	47	120	
2019/20-2	ME-VR2	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.28	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 8270C	-88	-88	51	143	
2019/20-2	ME-VR2	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	3.09	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-CAM	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.31	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-CAM	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	3.35	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-FIL	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.67	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-FIL	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	3.59	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-HUE	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.16	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-HUE	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	3.12	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-MEI	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	17.4	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-MEI	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	16.4	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-MPK	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	2.75	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-MPK	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	2.9	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-OJA	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	2.78	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-OJA	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	3.11	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-oxn	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	0.466	µg/L	EPA 8270C	-88	-88			GN
2019/20-2	MO-oxn	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	9	%	EPA 8270C	-88	-88	51	143	GN
2019/20-2	MO-oxn	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	0.713	µg/L	EPA 625.1	-88	-88			GN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-OXN	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	14	%	EPA 625.1	-88	-88	47	120	GN
2019/20-2	MO-SIM	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.84	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-SIM	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	3.79	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-SPA	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.72	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-SPA	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	4.02	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	80	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-THO	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.56	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-THO	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	3.58	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625.1	-88	-88	47	120	
2019/20-2	MO-VEN	srgt environ	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	3.7	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/30/2020	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 8270C	-88	-88	51	143	
2019/20-2	MO-VEN	srgt environ	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	3.95	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/6/2020	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625.1	-88	-88	47	120	
2019/20-2	Lab	method blank	2/6/2020	Organic	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	N-Nitrosodimethylamine	n/a	=	14.6	µg/L	EPA 625.1	0.5	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	N-Nitrosodimethylamine	n/a	=	58	%	EPA 625.1	-88	-88	22	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	N-Nitrosodimethylamine	n/a	=	13.6	µg/L	EPA 625.1	0.5	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	N-Nitrosodimethylamine	n/a	=	54	%	EPA 625.1	-88	-88	22	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	N-Nitrosodimethylamine	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	21.7	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	87	%	EPA 625.1	-88	-88	14	198	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	21	µg/L	EPA 625.1	0.26	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	84	%	EPA 625.1	-88	-88	14	198	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	N-Nitrosodiphenylamine	n/a	=	19.3	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	N-Nitrosodiphenylamine	n/a	=	77	%	EPA 625.1	-88	-88	47	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	N-Nitrosodiphenylamine	n/a	=	18.4	µg/L	EPA 625.1	0.19	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	N-Nitrosodiphenylamine	n/a	=	74	%	EPA 625.1	-88	-88	47	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	N-Nitrosodiphenylamine	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	srgt method blank	1/23/2020	Organic	Perylene-d12	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/23/2020	Organic	Perylene-d12	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	srgt LCS	1/23/2020	Organic	Perylene-d12	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/23/2020	Organic	Perylene-d12	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	srgt LCS dup	1/23/2020	Organic	Perylene-d12	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/23/2020	Organic	Perylene-d12	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	srgt method blank	1/24/2020	Organic	Perylene-d12	n/a	=	5.29	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/24/2020	Organic	Perylene-d12	n/a	=	106	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	srgt LCS	1/24/2020	Organic	Perylene-d12	n/a	=	5.19	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/24/2020	Organic	Perylene-d12	n/a	=	104	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	srgt LCS dup	1/24/2020	Organic	Perylene-d12	n/a	=	5.25	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/24/2020	Organic	Perylene-d12	n/a	=	105	%	EPA 525.2	-88	-88	50	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-CC	srgt environ	1/23/2020	Organic	Perylene-d12	n/a	=	16.8	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/23/2020	Organic	Perylene-d12	n/a	=	67	%	EPA 525.2	-88	-88	50	120	
2019/20-2	ME-SCR	srgt environ	1/23/2020	Organic	Perylene-d12	n/a	=	13.7	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/23/2020	Organic	Perylene-d12	n/a	=	55	%	EPA 525.2	-88	-88	50	120	
2019/20-2	ME-VR2	srgt environ	1/23/2020	Organic	Perylene-d12	n/a	=	3.8	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/23/2020	Organic	Perylene-d12	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-CAM	srgt environ	1/23/2020	Organic	Perylene-d12	n/a	=	19	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/23/2020	Organic	Perylene-d12	n/a	=	76	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-FIL	srgt environ	1/24/2020	Organic	Perylene-d12	n/a	=	23.7	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/24/2020	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-HUE	srgt environ	1/24/2020	Organic	Perylene-d12	n/a	=	2.56	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/24/2020	Organic	Perylene-d12	n/a	=	51	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-MEI	srgt environ	1/23/2020	Organic	Perylene-d12	n/a	=	93.4	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/23/2020	Organic	Perylene-d12	n/a	=	93	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-MPK	srgt environ	1/24/2020	Organic	Perylene-d12	n/a	=	90.5	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/24/2020	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-OJA	srgt environ	1/23/2020	Organic	Perylene-d12	n/a	=	20.7	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/23/2020	Organic	Perylene-d12	n/a	=	83	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-OXN	srgt environ	1/24/2020	Organic	Perylene-d12	n/a	=	19.9	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-OXN	srgt environ, rec	1/24/2020	Organic	Perylene-d12	n/a	=	79	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-SIM	srgt environ	1/24/2020	Organic	Perylene-d12	n/a	=	19.7	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/24/2020	Organic	Perylene-d12	n/a	=	79	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-SPA	srgt environ	1/23/2020	Organic	Perylene-d12	n/a	=	84.3	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/23/2020	Organic	Perylene-d12	n/a	=	84	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-THO	srgt environ	1/24/2020	Organic	Perylene-d12	n/a	=	23.9	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/24/2020	Organic	Perylene-d12	n/a	=	96	%	EPA 525.2	-88	-88	50	120	
2019/20-2	MO-VEN	srgt environ	1/23/2020	Organic	Perylene-d12	n/a	=	3.9	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/23/2020	Organic	Perylene-d12	n/a	=	78	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	method blank	1/30/2020	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Phenanthrene	n/a	=	9.3	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Phenanthrene	n/a	=	93	%	EPA 8270C	-88	-88	21	131	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Phenanthrene	n/a	=	9.35	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Phenanthrene	n/a	=	94	%	EPA 8270C	-88	-88	21	131	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Phenanthrene	n/a	=	0.6	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Phenanthrene	n/a	=	24.2	µg/L	EPA 625.1	0.32	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Phenanthrene	n/a	=	97	%	EPA 625.1	-88	-88	65	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Phenanthrene	n/a	=	24	µg/L	EPA 625.1	0.32	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Phenanthrene	n/a	=	96	%	EPA 625.1	-88	-88	65	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Phenanthrene	n/a	=	0.8	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	method blank	1/31/2020	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2019/20-2	Lab	LCS	1/31/2020	Organic	Phenol	n/a	=	3.75	µg/L	EPA 8270C	0.35	1			
2019/20-2	Lab	LCS, rec	1/31/2020	Organic	Phenol	n/a	=	38	%	EPA 8270C	-88	-88	6	43	
2019/20-2	Lab	LCS dup	1/31/2020	Organic	Phenol	n/a	=	3.77	µg/L	EPA 8270C	0.35	1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Organic	Phenol	n/a	=	38	%	EPA 8270C	-88	-88	6	43	
2019/20-2	Lab	LCS, RPD	1/31/2020	Organic	Phenol	n/a	=	0.3	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS	2/6/2020	Organic	Phenol	n/a	=	9.22	µg/L	EPA 625.1	0.16	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Phenol	n/a	=	37	%	EPA 625.1	-88	-88	17	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Phenol	n/a	=	8.64	µg/L	EPA 625.1	0.16	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Phenol	n/a	=	35	%	EPA 625.1	-88	-88	17	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Phenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-2	Lab	srgt method blank	1/31/2020	Organic	Phenol-d5	n/a	=	2.69	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/31/2020	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2019/20-2	Lab	srgt LCS	1/31/2020	Organic	Phenol-d5	n/a	=	3.65	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/31/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 8270C	-88	-88	5	46	
2019/20-2	Lab	srgt LCS dup	1/31/2020	Organic	Phenol-d5	n/a	=	3.63	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/31/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 8270C	-88	-88	5	46	
2019/20-2	Lab	srgt method blank	2/6/2020	Organic	Phenol-d5	n/a	=	2.59	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/6/2020	Organic	Phenol-d5	n/a	=	26	%	EPA 625.1	-88	-88	12	120	
2019/20-2	Lab	srgt LCS	2/6/2020	Organic	Phenol-d5	n/a	=	18.2	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/6/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 625.1	-88	-88	12	120	
2019/20-2	Lab	srgt LCS dup	2/6/2020	Organic	Phenol-d5	n/a	=	17.6	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	2/6/2020	Organic	Phenol-d5	n/a	=	35	%	EPA 625.1	-88	-88	12	120	
2019/20-2	ME-CC	srgt environ	1/31/2020	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/31/2020	Organic	Phenol-d5	n/a	=	29	%	EPA 8270C	-88	-88	5	46	
2019/20-2	ME-CC	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	12.9	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	26	%	EPA 625.1	-88	-88	12	120	
2019/20-2	ME-SCR	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	15.3	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2019/20-2	ME-SCR	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	13.8	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	28	%	EPA 625.1	-88	-88	12	120	
2019/20-2	ME-VR2	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	2.96	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2019/20-2	ME-VR2	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	2.81	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	28	%	EPA 625.1	-88	-88	12	120	
2019/20-2	MO-CAM	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	2.26	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-CAM	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	0.993	µg/L	EPA 625.1	-88	-88			GN
2019/20-2	MO-CAM	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	10	%	EPA 625.1	-88	-88	12	120	GN
2019/20-2	MO-FIL	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	3.35	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	34	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-FIL	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	2.28	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 625.1	-88	-88	12	120	
2019/20-2	MO-HUE	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	3.03	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-HUE	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	2.54	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	25	%	EPA 625.1	-88	-88	12	120	
2019/20-2	MO-MEI	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	15.6	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-MEI	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	12.4	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	25	%	EPA 625.1	-88	-88	12	120	
2019/20-2	MO-MPK	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	1.83	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-MPK	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	1.68	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	17	%	EPA 625.1	-88	-88	12	120	
2019/20-2	MO-OJA	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	1.42	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	14	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-OJA	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	0.655	µg/L	EPA 625.1	-88	-88			GN
2019/20-2	MO-OJA	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	7	%	EPA 625.1	-88	-88	12	120	GN
2019/20-2	MO-OXN	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	0.296	µg/L	EPA 8270C	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	3	%	EPA 8270C	-88	-88	5	46	GN
2019/20-2	MO-OXN	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 625.1	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	0	%	EPA 625.1	-88	-88	12	120	GN
2019/20-2	MO-SIM	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	2.59	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	26	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-SIM	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	2.38	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	24	%	EPA 625.1	-88	-88	12	120	
2019/20-2	MO-SPA	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	2.3	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-SPA	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	1.45	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	15	%	EPA 625.1	-88	-88	12	120	
2019/20-2	MO-THO	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	2.99	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-THO	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	2.29	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 625.1	-88	-88	12	120	
2019/20-2	MO-VEN	srgt environ	2/1/2020	Organic	Phenol-d5	n/a	=	1.85	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/1/2020	Organic	Phenol-d5	n/a	=	18	%	EPA 8270C	-88	-88	5	46	
2019/20-2	MO-VEN	srgt environ	2/6/2020	Organic	Phenol-d5	n/a	=	1.4	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/6/2020	Organic	Phenol-d5	n/a	=	14	%	EPA 625.1	-88	-88	12	120	
2019/20-2	Lab	srgt method blank	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.45	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 8270C	-88	-88	19	134	
2019/20-2	Lab	srgt LCS	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.72	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 8270C	-88	-88	19	134	
2019/20-2	Lab	srgt LCS dup	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.6	µg/L	EPA 8270C	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 8270C	-88	-88	19	134	
2019/20-2	Lab	srgt method blank	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	3.69	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625.1	-88	-88	44	129	
2019/20-2	Lab	srgt LCS	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	22.1	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625.1	-88	-88	44	129	
2019/20-2	Lab	srgt LCS dup	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	22.2	µg/L	EPA 625.1	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625.1	-88	-88	44	129	
2019/20-2	ME-CC	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	23.3	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 8270C	-88	-88	19	134	
2019/20-2	ME-CC	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	19.7	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625.1	-88	-88	44	129	
2019/20-2	ME-SCR	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	20.5	µg/L	EPA 8270C	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270C	-88	-88	19	134	
2019/20-2	ME-SCR	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	18.4	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625.1	-88	-88	44	129	
2019/20-2	ME-VR2	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.4	µg/L	EPA 8270C	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-VR2	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 8270C	-88	-88	19	134	
2019/20-2	ME-VR2	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	4.04	µg/L	EPA 625.1	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-CAM	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.4	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-CAM	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	3.89	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	78	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-FIL	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.27	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	85	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-FIL	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	3.95	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-HUE	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.12	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-HUE	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	3.64	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-MEI	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	22.4	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-MEI	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	19.9	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-MPK	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	3.2	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	64	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-MPK	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	2.87	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	57	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-OJA	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	3.82	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-OJA	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	3.61	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-OXN	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	0.652	µg/L	EPA 8270C	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	13	%	EPA 8270C	-88	-88	19	134	GN
2019/20-2	MO-OXN	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	0.555	µg/L	EPA 625.1	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	11	%	EPA 625.1	-88	-88	44	129	GN
2019/20-2	MO-SIM	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.5	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-SIM	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	4.05	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-SPA	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.58	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-SPA	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	4.08	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-THO	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.09	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-THO	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	3.98	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625.1	-88	-88	44	129	
2019/20-2	MO-VEN	srgt environ	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	4.48	µg/L	EPA 8270C	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/30/2020	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 8270C	-88	-88	19	134	
2019/20-2	MO-VEN	srgt environ	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	4.16	µg/L	EPA 625.1	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/6/2020	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625.1	-88	-88	44	129	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	1/30/2020	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS	1/30/2020	Organic	Pyrene	n/a	=	9.49	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS, rec	1/30/2020	Organic	Pyrene	n/a	=	95	%	EPA 8270C	-88	-88	26	128	
2019/20-2	Lab	LCS dup	1/30/2020	Organic	Pyrene	n/a	=	9.4	µg/L	EPA 8270C	0.1	0.1			
2019/20-2	Lab	LCS dup, rec	1/30/2020	Organic	Pyrene	n/a	=	94	%	EPA 8270C	-88	-88	26	128	
2019/20-2	Lab	LCS, RPD	1/30/2020	Organic	Pyrene	n/a	=	0.9	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-2	Lab	LCS	2/6/2020	Organic	Pyrene	n/a	=	25.1	µg/L	EPA 625.1	0.25	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Organic	Pyrene	n/a	=	100	%	EPA 625.1	-88	-88	70	120	
2019/20-2	Lab	LCS dup	2/6/2020	Organic	Pyrene	n/a	=	24.7	µg/L	EPA 625.1	0.25	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Organic	Pyrene	n/a	=	99	%	EPA 625.1	-88	-88	70	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Organic	Pyrene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-2	000NONPJ	srgt matrix spike	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0847	µg/L	EPA 608.3	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike, rec	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	85	%	EPA 608.3	-88	-88	32	130	
2019/20-2	000NONPJ	srgt matrix spike dup	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0892	µg/L	EPA 608.3	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike dup, rec	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	89	%	EPA 608.3	-88	-88	32	130	
2019/20-2	Lab	srgt method blank	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0853	µg/L	EPA 608.3	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	85	%	EPA 608.3	-88	-88	32	130	
2019/20-2	Lab	srgt LCS	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.096	µg/L	EPA 608.3	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	96	%	EPA 608.3	-88	-88	32	130	
2019/20-2	Lab	srgt method blank	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.089	µg/L	EPA 608.3	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	89	%	EPA 608.3	-88	-88	32	130	
2019/20-2	Lab	srgt LCS	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0959	µg/L	EPA 608.3	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	96	%	EPA 608.3	-88	-88	32	130	
2019/20-2	ME-CC	srgt matrix spike	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.441	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-CC	srgt matrix spike, rec	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	88	%	EPA 608.3	-88	-88	32	130	
2019/20-2	ME-CC	srgt matrix spike dup	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.419	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-CC	srgt matrix spike dup, rec	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	84	%	EPA 608.3	-88	-88	32	130	
2019/20-2	ME-CC	srgt environ	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.439	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	88	%	EPA 608.3	-88	-88	35	111	
2019/20-2	ME-SCR	srgt environ	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.438	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/14/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	88	%	EPA 608.3	-88	-88	35	111	
2019/20-2	ME-VR2	srgt environ	2/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0834	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	83	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-CAM	srgt environ	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0583	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	2/18/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-FIL	srgt environ	2/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0726	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-HUE	srgt environ	2/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0534	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	53	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-MEI	srgt environ	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.353	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	71	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-MPK	srgt environ	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.643	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-OJA	srgt environ	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0491	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	49	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-OXN	srgt environ	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0498	µg/L	EPA 608.3	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-OXN	srgt environ, rec	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	50	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-SIM	srgt environ	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.061	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-SPA	srgt environ	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.673	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	67	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-THO	srgt environ	2/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0567	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608.3	-88	-88	35	111	
2019/20-2	MO-VEN	srgt environ	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0508	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	2/19/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	51	%	EPA 608.3	-88	-88	35	111	
2019/20-2	Lab	srgt LCS	1/17/2020	Organic	Toluene-d8	n/a	=	55.6	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/17/2020	Organic	Toluene-d8	n/a	=	111	%	EPA 624	-88	-88	92	112	
2019/20-2	Lab	srgt LCS dup	1/17/2020	Organic	Toluene-d8	n/a	=	55.2	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/17/2020	Organic	Toluene-d8	n/a	=	110	%	EPA 624	-88	-88	92	112	
2019/20-2	Lab	srgt method blank	1/17/2020	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/17/2020	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2019/20-2	Lab	srgt LCS	1/17/2020	Organic	Toluene-d8	n/a	=	55.3	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/17/2020	Organic	Toluene-d8	n/a	=	111	%	EPA 624	-88	-88	92	112	
2019/20-2	Lab	srgt LCS dup	1/18/2020	Organic	Toluene-d8	n/a	=	54.4	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/18/2020	Organic	Toluene-d8	n/a	=	109	%	EPA 624	-88	-88	92	112	
2019/20-2	Lab	srgt method blank	1/18/2020	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/18/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	ME-CC	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	ME-SCR	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2019/20-2	ME-VR2	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-CAM	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-CAM	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-CAM	srgt field blank	1/18/2020	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2019/20-2	MO-CAM	srgt field blank, rec	1/18/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-FIL	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-HUE	srgt environ	1/18/2020	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/18/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-MEI	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-MPK	srgt environ	1/18/2020	Organic	Toluene-d8	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/18/2020	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-OJA	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-OXN	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2019/20-2	MO-OXN	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-SIM	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-SPA	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-THO	srgt environ	1/18/2020	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/18/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	MO-VEN	srgt environ	1/17/2020	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/17/2020	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2019/20-2	000NONPJ	srgt matrix spike	1/28/2020	Organic	Triphenylphosphate	n/a	=	0.604	µg/L	EPA 525.2m	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	000NONPJ	srgt matrix spike dup	1/28/2020	Organic	Triphenylphosphate	n/a	=	0.63	µg/L	EPA 525.2m	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike dup, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	Lab	srgt method blank	1/23/2020	Organic	Triphenylphosphate	n/a	=	5.07	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt LCS	1/23/2020	Organic	Triphenylphosphate	n/a	=	5.58	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt LCS dup	1/23/2020	Organic	Triphenylphosphate	n/a	=	5.6	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt method blank	1/24/2020	Organic	Triphenylphosphate	n/a	=	5.14	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt LCS	1/24/2020	Organic	Triphenylphosphate	n/a	=	5.39	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt LCS dup	1/24/2020	Organic	Triphenylphosphate	n/a	=	5.57	µg/L	EPA 525.2	-88	-88			
2019/20-2	Lab	srgt LCS dup, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	srgt method blank	1/27/2020	Organic	Triphenylphosphate	n/a	=	0.57	µg/L	EPA 525.2m	-88	-88			
2019/20-2	Lab	srgt method blank, rec	1/27/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	Lab	srgt LCS	1/27/2020	Organic	Triphenylphosphate	n/a	=	0.585	µg/L	EPA 525.2m	-88	-88			
2019/20-2	Lab	srgt LCS, rec	1/27/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	ME-CC	srgt environ	1/23/2020	Organic	Triphenylphosphate	n/a	=	30	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-2	ME-CC	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	22	µg/L	EPA 525.2m	-88	-88			GN
2019/20-2	ME-CC	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	176	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-2	ME-SCR	srgt environ	1/23/2020	Organic	Triphenylphosphate	n/a	=	29.5	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2019/20-2	ME-SCR	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	18.5	µg/L	EPA 525.2m	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	148	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	ME-VR2	srgt environ	1/23/2020	Organic	Triphenylphosphate	n/a	=	5.76	µg/L	EPA 525.2	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-2	ME-VR2	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	0.575	µg/L	EPA 525.2m	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-CAM	srgt environ	1/23/2020	Organic	Triphenylphosphate	n/a	=	29.1	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-CAM	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	1.23	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-CAM	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-FIL	srgt environ	1/24/2020	Organic	Triphenylphosphate	n/a	=	28.2	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-FIL	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	0.64	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-HUE	srgt environ	1/24/2020	Organic	Triphenylphosphate	n/a	=	5.5	µg/L	EPA 525.2	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	MO-HUE	srgt environ, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-HUE	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	1.13	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-MEI	srgt environ	1/23/2020	Organic	Triphenylphosphate	n/a	=	114	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-MEI	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	15.3	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-MEI	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-MPK	srgt environ	1/24/2020	Organic	Triphenylphosphate	n/a	=	110	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-MPK	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	14.9	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-OJA	srgt environ	1/23/2020	Organic	Triphenylphosphate	n/a	=	28.1	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-OJA	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	2.85	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-OJA	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-OXN	srgt environ	1/24/2020	Organic	Triphenylphosphate	n/a	=	28.4	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-OXN	srgt environ, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-OXN	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	1.16	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-OXN	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-SIM	srgt environ	1/24/2020	Organic	Triphenylphosphate	n/a	=	28.8	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-SIM	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	0.647	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-SPA	srgt environ	1/23/2020	Organic	Triphenylphosphate	n/a	=	112	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-SPA	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	14.1	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-SPA	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-THO	srgt environ	1/24/2020	Organic	Triphenylphosphate	n/a	=	27.8	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/24/2020	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-THO	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	0.712	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	142	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	MO-VEN	srgt environ	1/23/2020	Organic	Triphenylphosphate	n/a	=	5.64	µg/L	EPA 525.2	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/23/2020	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-2	MO-VEN	srgt environ	1/28/2020	Organic	Triphenylphosphate	n/a	=	0.735	µg/L	EPA 525.2m	-88	-88			
2019/20-2	MO-VEN	srgt environ, rec	1/28/2020	Organic	Triphenylphosphate	n/a	=	147	%	EPA 525.2m	-88	-88	40	163	
2019/20-2	000NONPJ	srgt matrix spike	2/18/2020	PCB	PCB 209	n/a	=	0.0786	µg/L	EPA 608.3	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike, rec	2/18/2020	PCB	PCB 209	n/a	=	79	%	EPA 608.3	-88	-88	33	133	
2019/20-2	000NONPJ	srgt matrix spike dup	2/18/2020	PCB	PCB 209	n/a	=	0.0673	µg/L	EPA 608.3	-88	-88			
2019/20-2	000NONPJ	srgt matrix spike dup, rec	2/18/2020	PCB	PCB 209	n/a	=	67	%	EPA 608.3	-88	-88	33	133	
2019/20-2	Lab	srgt method blank	2/14/2020	PCB	PCB 209	n/a	=	0.0809	µg/L	EPA 608.3	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/14/2020	PCB	PCB 209	n/a	=	81	%	EPA 608.3	-88	-88	33	133	
2019/20-2	Lab	srgt LCS	2/14/2020	PCB	PCB 209	n/a	=	0.0781	µg/L	EPA 608.3	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/14/2020	PCB	PCB 209	n/a	=	78	%	EPA 608.3	-88	-88	33	133	
2019/20-2	Lab	srgt method blank	2/18/2020	PCB	PCB 209	n/a	=	0.0919	µg/L	EPA 608.3	-88	-88			
2019/20-2	Lab	srgt method blank, rec	2/18/2020	PCB	PCB 209	n/a	=	92	%	EPA 608.3	-88	-88	33	133	
2019/20-2	Lab	srgt LCS	2/18/2020	PCB	PCB 209	n/a	=	0.0958	µg/L	EPA 608.3	-88	-88			
2019/20-2	Lab	srgt LCS, rec	2/18/2020	PCB	PCB 209	n/a	=	96	%	EPA 608.3	-88	-88	33	133	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-CC	srgt matrix spike	2/14/2020	PCB	PCB 209	n/a	=	0.466	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-CC	srgt matrix spike, rec	2/14/2020	PCB	PCB 209	n/a	=	93	%	EPA 608.3	-88	-88	33	133	
2019/20-2	ME-CC	srgt matrix spike dup	2/14/2020	PCB	PCB 209	n/a	=	0.398	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-CC	srgt matrix spike dup, rec	2/14/2020	PCB	PCB 209	n/a	=	80	%	EPA 608.3	-88	-88	33	133	
2019/20-2	ME-CC	srgt environ	2/14/2020	PCB	PCB 209	n/a	=	0.414	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-CC	srgt environ, rec	2/14/2020	PCB	PCB 209	n/a	=	83	%	EPA 608.3	-88	-88	34	125	
2019/20-2	ME-SCR	srgt environ	2/14/2020	PCB	PCB 209	n/a	=	0.336	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-SCR	srgt environ, rec	2/14/2020	PCB	PCB 209	n/a	=	67	%	EPA 608.3	-88	-88	34	125	
2019/20-2	ME-VR2	srgt environ	2/15/2020	PCB	PCB 209	n/a	=	0.0971	µg/L	EPA 608.3	-88	-88			
2019/20-2	ME-VR2	srgt environ, rec	2/15/2020	PCB	PCB 209	n/a	=	97	%	EPA 608.3	-88	-88	34	125	
2019/20-2	MO-CAM	srgt environ	2/18/2020	PCB	PCB 209	n/a	=	0.0281	µg/L	EPA 608.3	-88	-88			GN
2019/20-2	MO-CAM	srgt environ, rec	2/18/2020	PCB	PCB 209	n/a	=	28	%	EPA 608.3	-88	-88	34	125	GN
2019/20-2	MO-FIL	srgt environ	2/15/2020	PCB	PCB 209	n/a	=	0.0577	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-FIL	srgt environ, rec	2/15/2020	PCB	PCB 209	n/a	=	58	%	EPA 608.3	-88	-88	34	125	
2019/20-2	MO-HUE	srgt environ	2/15/2020	PCB	PCB 209	n/a	=	0.0562	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-HUE	srgt environ, rec	2/15/2020	PCB	PCB 209	n/a	=	56	%	EPA 608.3	-88	-88	34	125	
2019/20-2	MO-MEI	srgt environ	2/19/2020	PCB	PCB 209	n/a	=	0.119	µg/L	EPA 608.3	-88	-88			GN
2019/20-2	MO-MEI	srgt environ, rec	2/19/2020	PCB	PCB 209	n/a	=	24	%	EPA 608.3	-88	-88	34	125	GN
2019/20-2	MO-MPK	srgt environ	2/19/2020	PCB	PCB 209	n/a	=	0.456	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-MPK	srgt environ, rec	2/19/2020	PCB	PCB 209	n/a	=	46	%	EPA 608.3	-88	-88	34	125	
2019/20-2	MO-OJA	srgt environ	2/19/2020	PCB	PCB 209	n/a	=	0.0208	µg/L	EPA 608.3	-88	-88			GN
2019/20-2	MO-OJA	srgt environ, rec	2/19/2020	PCB	PCB 209	n/a	=	21	%	EPA 608.3	-88	-88	34	125	GN
2019/20-2	MO-OXN	srgt environ	2/19/2020	PCB	PCB 209	n/a	=	0.0195	µg/L	EPA 608.3	-88	-88			GN
2019/20-2	MO-OXN	srgt environ, rec	2/19/2020	PCB	PCB 209	n/a	=	19	%	EPA 608.3	-88	-88	34	125	GN
2019/20-2	MO-SIM	srgt environ	2/19/2020	PCB	PCB 209	n/a	=	0.0476	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-SIM	srgt environ, rec	2/19/2020	PCB	PCB 209	n/a	=	48	%	EPA 608.3	-88	-88	34	125	
2019/20-2	MO-SPA	srgt environ	2/19/2020	PCB	PCB 209	n/a	=	0.325	µg/L	EPA 608.3	-88	-88			GN
2019/20-2	MO-SPA	srgt environ, rec	2/19/2020	PCB	PCB 209	n/a	=	33	%	EPA 608.3	-88	-88	34	125	GN
2019/20-2	MO-THO	srgt environ	2/15/2020	PCB	PCB 209	n/a	=	0.0618	µg/L	EPA 608.3	-88	-88			
2019/20-2	MO-THO	srgt environ, rec	2/15/2020	PCB	PCB 209	n/a	=	62	%	EPA 608.3	-88	-88	34	125	
2019/20-2	MO-VEN	srgt environ	2/19/2020	PCB	PCB 209	n/a	=	0.025	µg/L	EPA 608.3	-88	-88			GN
2019/20-2	MO-VEN	srgt environ, rec	2/19/2020	PCB	PCB 209	n/a	=	25	%	EPA 608.3	-88	-88	34	125	GN
2019/20-2	Lab	method blank	2/14/2020	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-2	Lab	method blank	2/18/2020	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-2	Lab	method blank	2/14/2020	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-2	Lab	method blank	2/18/2020	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-2	Lab	method blank	2/14/2020	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-2	Lab	method blank	2/18/2020	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-2	Lab	method blank	2/14/2020	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-2	Lab	method blank	2/18/2020	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-2	Lab	method blank	2/14/2020	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-2	Lab	method blank	2/18/2020	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-2	Lab	method blank	2/14/2020	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			
2019/20-2	Lab	method blank	2/18/2020	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			
2019/20-2	Lab	method blank	2/14/2020	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-2	Lab	method blank	2/18/2020	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	2,4,5-T	n/a	=	3.75	µg/L	EPA 515.4	0.055	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	2,4,5-T	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	2,4,5-T	n/a	=	3.75	µg/L	EPA 515.4	0.055	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	2,4,5-T	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	2,4,5-T	n/a	=	0.08	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	2,4,5-T	n/a	=	3.7	µg/L	EPA 515.4	0.055	0.2			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	2,4,5-T	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	2,4,5-TP	n/a	=	3.73	µg/L	EPA 515.4	0.046	0.2			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	2,4,5-TP	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	2,4,5-TP	n/a	=	3.75	µg/L	EPA 515.4	0.046	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	2,4,5-TP	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	2,4,5-TP	n/a	=	0.5	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	2,4,5-TP	n/a	=	3.73	µg/L	EPA 515.4	0.046	0.2			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	2,4,5-TP	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	2,4-D	n/a	=	7.66	µg/L	EPA 515.4	0.14	0.4			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	2,4-D	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	2,4-D	n/a	=	7.65	µg/L	EPA 515.4	0.14	0.4			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	2,4-D	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	2,4-D	n/a	=	0.2	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	2,4-D	n/a	=	7.42	µg/L	EPA 515.4	0.14	0.4			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	2,4-D	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	2,4-DB	n/a	=	15.7	µg/L	EPA 515.4	0.19	2			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	2,4-DB	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	2,4-DB	n/a	=	15.5	µg/L	EPA 515.4	0.19	2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	2,4-DB	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	2,4-DB	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	2,4-DB	n/a	=	15.3	µg/L	EPA 515.4	0.19	2			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	2,4-DB	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.83	µg/L	EPA 515.4	0.12	1			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.85	µg/L	EPA 515.4	0.12	1			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.3	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.48	µg/L	EPA 515.4	0.12	1			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.0657	µg/L	EPA 608.3	0.007	0.5			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	4,4'-DDD	n/a	=	66	%	EPA 608.3	-88	-88	31	141	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.0602	µg/L	EPA 608.3	0.007	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	4,4'-DDD	n/a	=	60	%	EPA 608.3	-88	-88	31	141	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	4,4'-DDD	n/a	=	9	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	4,4'-DDD	n/a	=	0.0982	µg/L	EPA 608.3	0.0007	0.05			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	4,4'-DDD	n/a	=	98	%	EPA 608.3	-88	-88	48	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	4,4'-DDD	n/a	=	0.0902	µg/L	EPA 608.3	0.0007	0.05			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	4,4'-DDD	n/a	=	90	%	EPA 608.3	-88	-88	48	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.472	µg/L	EPA 608.3	0.007	0.5			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	4,4'-DDD	n/a	=	94	%	EPA 608.3	-88	-88	31	141	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.431	µg/L	EPA 608.3	0.007	0.5			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	4,4'-DDD	n/a	=	86	%	EPA 608.3	-88	-88	31	141	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	4,4'-DDD	n/a	=	9	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.0587	µg/L	EPA 608.3	0.007	0.5			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	4,4'-DDE	n/a	=	59	%	EPA 608.3	-88	-88	30	145	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.0491	µg/L	EPA 608.3	0.007	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	4,4'-DDE	n/a	=	49	%	EPA 608.3	-88	-88	30	145	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	4,4'-DDE	n/a	=	18	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	4,4'-DDE	n/a	=	0.101	µg/L	EPA 608.3	0.0007	0.05			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	4,4'-DDE	n/a	=	101	%	EPA 608.3	-88	-88	54	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	4,4'-DDE	n/a	=	0.09	µg/L	EPA 608.3	0.0007	0.05			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	4,4'-DDE	n/a	=	90	%	EPA 608.3	-88	-88	54	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	4,4'-DDE	n/a	=	0.626	µg/L	EPA 608.3	0.007	0.5			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	4,4'-DDE	n/a	=	122	%	EPA 608.3	-88	-88	30	145	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	4,4'-DDE	n/a	=	0.556	µg/L	EPA 608.3	0.007	0.5			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	4,4'-DDE	n/a	=	108	%	EPA 608.3	-88	-88	30	145	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	4,4'-DDE	n/a	=	12	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	4,4'-DDT	n/a	DNQ	0.0903	µg/L	EPA 608.3	0.011	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	4,4'-DDT	n/a	=	90	%	EPA 608.3	-88	-88	25	160	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	4,4'-DDT	n/a	DNQ	0.0815	µg/L	EPA 608.3	0.011	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	4,4'-DDT	n/a	=	81	%	EPA 608.3	-88	-88	25	160	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	4,4'-DDT	n/a	=	10	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	4,4'-DDT	n/a	=	0.124	µg/L	EPA 608.3	0.0011	0.01			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	4,4'-DDT	n/a	=	124	%	EPA 608.3	-88	-88	46	137	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	4,4'-DDT	n/a	=	0.109	µg/L	EPA 608.3	0.0011	0.01			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	4,4'-DDT	n/a	=	109	%	EPA 608.3	-88	-88	46	137	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	4,4'-DDT	n/a	=	0.61	µg/L	EPA 608.3	0.011	0.1			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	4,4'-DDT	n/a	=	122	%	EPA 608.3	-88	-88	25	160	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	4,4'-DDT	n/a	=	0.56	µg/L	EPA 608.3	0.011	0.1			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	4,4'-DDT	n/a	=	112	%	EPA 608.3	-88	-88	25	160	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	4,4'-DDT	n/a	=	8	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	Acifluorfen	n/a	=	3.95	µg/L	EPA 515.4	0.072	0.4			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	Acifluorfen	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	Acifluorfen	n/a	=	3.96	µg/L	EPA 515.4	0.072	0.4			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	Acifluorfen	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	Acifluorfen	n/a	=	0.4	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	Acifluorfen	n/a	=	3.87	µg/L	EPA 515.4	0.072	0.4			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	Acifluorfen	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Alachlor	n/a	=	5.55	µg/L	EPA 525.2	0.022	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Alachlor	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Alachlor	n/a	=	5.54	µg/L	EPA 525.2	0.022	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Alachlor	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Alachlor	n/a	=	0.1	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Alachlor	n/a	=	5.33	µg/L	EPA 525.2	0.022	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Alachlor	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Alachlor	n/a	=	5.31	µg/L	EPA 525.2	0.022	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Alachlor	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Alachlor	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Aldrin	n/a	=	0.0576	µg/L	EPA 608.3	0.01	0.05			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Aldrin	n/a	=	58	%	EPA 608.3	-88	-88	42	140	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Aldrin	n/a	=	0.0512	µg/L	EPA 608.3	0.01	0.05			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Aldrin	n/a	=	51	%	EPA 608.3	-88	-88	42	140	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Aldrin	n/a	=	12	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Aldrin	n/a	=	0.0949	µg/L	EPA 608.3	0.001	0.005			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Aldrin	n/a	=	95	%	EPA 608.3	-88	-88	54	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Aldrin	n/a	=	0.089	µg/L	EPA 608.3	0.001	0.005			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Aldrin	n/a	=	89	%	EPA 608.3	-88	-88	54	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Aldrin	n/a	=	0.447	µg/L	EPA 608.3	0.01	0.05			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Aldrin	n/a	=	89	%	EPA 608.3	-88	-88	42	140	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Aldrin	n/a	=	0.418	µg/L	EPA 608.3	0.01	0.05			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Aldrin	n/a	=	84	%	EPA 608.3	-88	-88	42	140	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Aldrin	n/a	=	7	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	alpha-BHC	n/a	DNQ	0.0733	µg/L	EPA 608.3	0.011	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608.3	-88	-88	37	140	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	alpha-BHC	n/a	DNQ	0.0801	µg/L	EPA 608.3	0.011	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	alpha-BHC	n/a	=	80	%	EPA 608.3	-88	-88	37	140	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	alpha-BHC	n/a	=	9	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	alpha-BHC	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	alpha-BHC	n/a	=	0.0951	µg/L	EPA 608.3	0.0011	0.01			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	alpha-BHC	n/a	=	95	%	EPA 608.3	-88	-88	49	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	alpha-BHC	n/a	DNQ	0.0013	µg/L	EPA 608.3	0.0011	0.01			IP
2019/20-2	Lab	LCS	2/18/2020	Pesticide	alpha-BHC	n/a	=	0.0908	µg/L	EPA 608.3	0.0011	0.01			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	alpha-BHC	n/a	=	91	%	EPA 608.3	-88	-88	49	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	alpha-BHC	n/a	=	0.442	µg/L	EPA 608.3	0.011	0.1			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	alpha-BHC	n/a	=	88	%	EPA 608.3	-88	-88	37	140	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	alpha-BHC	n/a	=	0.41	µg/L	EPA 608.3	0.011	0.1			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	alpha-BHC	n/a	=	82	%	EPA 608.3	-88	-88	37	140	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	alpha-BHC	n/a	=	8	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			
2019/20-2	Lab	method blank	2/18/2020	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Atrazine	n/a	=	5.67	µg/L	EPA 525.2	0.034	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Atrazine	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Atrazine	n/a	=	5.47	µg/L	EPA 525.2	0.034	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Atrazine	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Atrazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Atrazine	n/a	=	5.61	µg/L	EPA 525.2	0.034	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Atrazine	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Atrazine	n/a	=	5.4	µg/L	EPA 525.2	0.034	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Atrazine	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Atrazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Azinphos methyl	n/a	=	0.0853	µg/L	EPA 525.2m	0.0055	0.01			GB
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Azinphos methyl	n/a	=	171	%	EPA 525.2m	-88	-88	0.1	154	GB
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Azinphos methyl	n/a	=	0.0892	µg/L	EPA 525.2m	0.0055	0.01			GB
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Azinphos methyl	n/a	=	178	%	EPA 525.2m	-88	-88	0.1	154	GB
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Azinphos methyl	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Azinphos methyl	n/a	=	0.0641	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Azinphos methyl	n/a	=	128	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	Bentazon	n/a	=	14.8	µg/L	EPA 515.4	0.23	2			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	Bentazon	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	Bentazon	n/a	=	15.1	µg/L	EPA 515.4	0.23	2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	Bentazon	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	Bentazon	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	Bentazon	n/a	=	14.9	µg/L	EPA 515.4	0.23	2			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	Bentazon	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	beta-BHC	n/a	=	0.0842	µg/L	EPA 608.3	0.015	0.05			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	beta-BHC	n/a	=	84	%	EPA 608.3	-88	-88	17	147	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	beta-BHC	n/a	=	0.09	µg/L	EPA 608.3	0.015	0.05			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	beta-BHC	n/a	=	90	%	EPA 608.3	-88	-88	17	147	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	beta-BHC	n/a	=	7	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	beta-BHC	n/a	=	0.101	µg/L	EPA 608.3	0.0015	0.005			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	beta-BHC	n/a	=	101	%	EPA 608.3	-88	-88	39	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	beta-BHC	n/a	=	0.0922	µg/L	EPA 608.3	0.0015	0.005			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	beta-BHC	n/a	=	92	%	EPA 608.3	-88	-88	39	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	beta-BHC	n/a	=	0.458	µg/L	EPA 608.3	0.015	0.05			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	beta-BHC	n/a	=	92	%	EPA 608.3	-88	-88	17	147	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	beta-BHC	n/a	=	0.428	µg/L	EPA 608.3	0.015	0.05			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	beta-BHC	n/a	=	86	%	EPA 608.3	-88	-88	17	147	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	beta-BHC	n/a	=	7	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Bolstar	n/a	=	0.0505	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Bolstar	n/a	=	101	%	EPA 525.2m	-88	-88	4	184	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Bolstar	n/a	=	0.0545	µg/L	EPA 525.2m	0.0046	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Bolstar	n/a	=	109	%	EPA 525.2m	-88	-88	4	184	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Bolstar	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Bolstar	n/a	=	0.0511	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Bolstar	n/a	=	102	%	EPA 525.2m	-88	-88	11	166	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Bromacil	n/a	=	5.22	µg/L	EPA 525.2	0.038	1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Bromacil	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Bromacil	n/a	=	5.39	µg/L	EPA 525.2	0.038	1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Bromacil	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Bromacil	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Bromacil	n/a	=	5.17	µg/L	EPA 525.2	0.038	1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Bromacil	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Bromacil	n/a	=	5.17	µg/L	EPA 525.2	0.038	1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Bromacil	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Bromacil	n/a	=	0.03	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Butachlor	n/a	=	5.27	µg/L	EPA 525.2	0.017	0.2			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Butachlor	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Butachlor	n/a	=	5.36	µg/L	EPA 525.2	0.017	0.2			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Butachlor	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Butachlor	n/a	=	5.32	µg/L	EPA 525.2	0.017	0.2			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Butachlor	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Butachlor	n/a	=	5.36	µg/L	EPA 525.2	0.017	0.2			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Butachlor	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Butachlor	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Captan	n/a	=	5.36	µg/L	EPA 525.2	0.86	1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Captan	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Captan	n/a	=	5.52	µg/L	EPA 525.2	0.86	1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Captan	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Captan	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Captan	n/a	=	5.24	µg/L	EPA 525.2	0.86	1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Captan	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Captan	n/a	=	5.31	µg/L	EPA 525.2	0.86	1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Captan	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Captan	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Chloroprotham	n/a	=	5.74	µg/L	EPA 525.2	0.01	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Chloroprotham	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Chloroprotham	n/a	=	5.55	µg/L	EPA 525.2	0.01	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Chloroprotham	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Chloroprotham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Chloroprotham	n/a	=	5.55	µg/L	EPA 525.2	0.01	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Chloroprotham	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Chloroprotham	n/a	=	5.33	µg/L	EPA 525.2	0.01	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Chloroprotham	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Chloroprotham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Chlorpyrifos	n/a	=	0.0793	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Chlorpyrifos	n/a	=	159	%	EPA 525.2m	-88	-88	37	168	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Chlorpyrifos	n/a	=	0.0641	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Chlorpyrifos	n/a	=	128	%	EPA 525.2m	-88	-88	37	168	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Chlorpyrifos	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Chlorpyrifos	n/a	=	0.0582	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Chlorpyrifos	n/a	=	116	%	EPA 525.2m	-88	-88	37	169	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Coumaphos	n/a	=	0.0673	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Coumaphos	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	203	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Coumaphos	n/a	=	0.0707	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Coumaphos	n/a	=	141	%	EPA 525.2m	-88	-88	0.1	203	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Coumaphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Coumaphos	n/a	=	0.0572	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Coumaphos	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	225	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Cyanazine	n/a	=	5.69	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Cyanazine	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Cyanazine	n/a	=	5.68	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Cyanazine	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Cyanazine	n/a	=	0.09	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Cyanazine	n/a	=	5.39	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Cyanazine	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Cyanazine	n/a	=	5.43	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Cyanazine	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Cyanazine	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	Dalapon	n/a	=	5.19	µg/L	EPA 515.4	0.11	0.4			GB
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	Dalapon	n/a	=	65	%	EPA 515.4	-88	-88	70	130	GB
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	Dalapon	n/a	=	5	µg/L	EPA 515.4	0.11	0.4			GB
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	Dalapon	n/a	=	62	%	EPA 515.4	-88	-88	70	130	GB
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	Dalapon	n/a	=	4	%	EPA 515.4	-88	-88	0	30	GB
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	Dalapon	n/a	=	7.66	µg/L	EPA 515.4	0.11	0.4			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	Dalapon	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.81	µg/L	EPA 515.4	0.053	0.1			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	DCPA (Dacthal)	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.84	µg/L	EPA 515.4	0.053	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	DCPA (Dacthal)	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	DCPA (Dacthal)	n/a	=	0.9	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.85	µg/L	EPA 515.4	0.053	0.1			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	DCPA (Dacthal)	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	delta-BHC	n/a	=	0.0836	µg/L	EPA 608.3	0.019	0.05			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	delta-BHC	n/a	=	84	%	EPA 608.3	-88	-88	19	140	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	delta-BHC	n/a	=	0.0915	µg/L	EPA 608.3	0.019	0.05			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	delta-BHC	n/a	=	91	%	EPA 608.3	-88	-88	19	140	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	delta-BHC	n/a	=	9	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	delta-BHC	n/a	=	0.105	µg/L	EPA 608.3	0.0019	0.005			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	delta-BHC	n/a	=	105	%	EPA 608.3	-88	-88	51	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	delta-BHC	n/a	=	0.0964	µg/L	EPA 608.3	0.0019	0.005			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	delta-BHC	n/a	=	96	%	EPA 608.3	-88	-88	51	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	delta-BHC	n/a	=	0.502	µg/L	EPA 608.3	0.019	0.05			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	delta-BHC	n/a	=	100	%	EPA 608.3	-88	-88	19	140	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	delta-BHC	n/a	=	0.437	µg/L	EPA 608.3	0.019	0.05			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	delta-BHC	n/a	=	87	%	EPA 608.3	-88	-88	19	140	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	delta-BHC	n/a	=	14	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Demeton-O	n/a	=	0.0459	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Demeton-O	n/a	=	92	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Demeton-O	n/a	=	0.0442	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Demeton-O	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Demeton-O	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Demeton-O	n/a	=	0.0473	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Demeton-O	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	211	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Demeton-S	n/a	=	0.0494	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Demeton-S	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	207	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Demeton-S	n/a	=	0.0476	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Demeton-S	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	207	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Demeton-S	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Demeton-S	n/a	=	0.0484	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Demeton-S	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	213	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Diazinon	n/a	=	0.0559	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Diazinon	n/a	=	112	%	EPA 525.2m	-88	-88	36	153	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Diazinon	n/a	=	0.0506	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Diazinon	n/a	=	101	%	EPA 525.2m	-88	-88	36	153	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Diazinon	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Diazinon	n/a	=	5.05	µg/L	EPA 525.2	0.096	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Diazinon	n/a	=	101	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Diazinon	n/a	=	5.04	µg/L	EPA 525.2	0.096	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Diazinon	n/a	=	101	%	EPA 525.2	-88	-88	50	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Diazinon	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Diazinon	n/a	=	4.64	µg/L	EPA 525.2	0.096	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Diazinon	n/a	=	93	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Diazinon	n/a	=	4.8	µg/L	EPA 525.2	0.096	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Diazinon	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Diazinon	n/a	=	0.0427	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Diazinon	n/a	=	85	%	EPA 525.2m	-88	-88	43	152	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	Dicamba	n/a	=	7.78	µg/L	EPA 515.4	0.075	0.6			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	Dicamba	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	Dicamba	n/a	=	7.85	µg/L	EPA 515.4	0.075	0.6			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	Dicamba	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	Dicamba	n/a	=	0.9	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	Dicamba	n/a	=	7.87	µg/L	EPA 515.4	0.075	0.6			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	Dicamba	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	Dichlorprop	n/a	=	7.46	µg/L	EPA 515.4	0.12	0.3			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	Dichlorprop	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	Dichlorprop	n/a	=	7.51	µg/L	EPA 515.4	0.12	0.3			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	Dichlorprop	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	Dichlorprop	n/a	=	0.7	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	Dichlorprop	n/a	=	7.53	µg/L	EPA 515.4	0.12	0.3			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	Dichlorprop	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Dichlorvos	n/a	=	0.0519	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Dichlorvos	n/a	=	104	%	EPA 525.2m	-88	-88	42	137	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Dichlorvos	n/a	=	0.0529	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Dichlorvos	n/a	=	106	%	EPA 525.2m	-88	-88	42	137	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Dichlorvos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Dichlorvos	n/a	=	0.0443	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Dichlorvos	n/a	=	89	%	EPA 525.2m	-88	-88	46	133	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Dieldrin	n/a	DNQ	0.0707	µg/L	EPA 608.3	0.008	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Dieldrin	n/a	=	71	%	EPA 608.3	-88	-88	36	146	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Dieldrin	n/a	DNQ	0.0708	µg/L	EPA 608.3	0.008	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Dieldrin	n/a	=	71	%	EPA 608.3	-88	-88	36	146	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Dieldrin	n/a	=	0.2	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Dieldrin	n/a	=	0.101	µg/L	EPA 608.3	0.0008	0.01			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Dieldrin	n/a	=	101	%	EPA 608.3	-88	-88	58	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Dieldrin	n/a	=	0.0915	µg/L	EPA 608.3	0.0008	0.01			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Dieldrin	n/a	=	92	%	EPA 608.3	-88	-88	58	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Dieldrin	n/a	=	0.509	µg/L	EPA 608.3	0.008	0.1			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Dieldrin	n/a	=	99	%	EPA 608.3	-88	-88	36	146	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Dieldrin	n/a	=	0.47	µg/L	EPA 608.3	0.008	0.1			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Dieldrin	n/a	=	91	%	EPA 608.3	-88	-88	36	146	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Dieldrin	n/a	=	8	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Dimethoate	n/a	=	0.0686	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Dimethoate	n/a	=	137	%	EPA 525.2m	-88	-88	4	222	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Dimethoate	n/a	=	0.0576	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Dimethoate	n/a	=	115	%	EPA 525.2m	-88	-88	4	222	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Dimethoate	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Dimethoate	n/a	=	4.61	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Dimethoate	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Dimethoate	n/a	=	4.69	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Dimethoate	n/a	=	94	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Dimethoate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Dimethoate	n/a	=	4.85	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Dimethoate	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Dimethoate	n/a	=	4.73	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Dimethoate	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Dimethoate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Dimethoate	n/a	=	0.0441	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Dimethoate	n/a	=	88	%	EPA 525.2m	-88	-88	10	234	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	Dinoseb	n/a	=	3.56	µg/L	EPA 515.4	0.055	0.4			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	Dinoseb	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	Dinoseb	n/a	=	3.57	µg/L	EPA 515.4	0.055	0.4			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	Dinoseb	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	Dinoseb	n/a	=	0.3	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	Dinoseb	n/a	=	3.57	µg/L	EPA 515.4	0.055	0.4			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	Dinoseb	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Diphenamid	n/a	=	5.6	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Diphenamid	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Diphenamid	n/a	=	5.59	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Diphenamid	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Diphenamid	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Diphenamid	n/a	=	5.68	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Diphenamid	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Diphenamid	n/a	=	5.89	µg/L	EPA 525.2	0.024	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Diphenamid	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Diphenamid	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Disulfoton	n/a	=	0.0331	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Disulfoton	n/a	=	66	%	EPA 525.2m	-88	-88	12	199	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Disulfoton	n/a	=	0.0341	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Disulfoton	n/a	=	68	%	EPA 525.2m	-88	-88	12	199	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Disulfoton	n/a	=	5	µg/L	EPA 525.2	0.031	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Disulfoton	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Disulfoton	n/a	=	5.01	µg/L	EPA 525.2	0.031	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Disulfoton	n/a	=	100	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Disulfoton	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Disulfoton	n/a	=	4.82	µg/L	EPA 525.2	0.031	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Disulfoton	n/a	=	96	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Disulfoton	n/a	=	5.12	µg/L	EPA 525.2	0.031	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Disulfoton	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Disulfoton	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Disulfoton	n/a	=	0.0373	µg/L	EPA 525.2m	0.01	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Disulfoton	n/a	=	75	%	EPA 525.2m	-88	-88	0.1	212	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Endosulfan I	n/a	DNQ	0.0679	µg/L	EPA 608.3	0.009	0.2			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Endosulfan I	n/a	=	68	%	EPA 608.3	-88	-88	45	153	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Endosulfan I	n/a	DNQ	0.0695	µg/L	EPA 608.3	0.009	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Endosulfan I	n/a	=	69	%	EPA 608.3	-88	-88	45	153	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Endosulfan I	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Endosulfan I	n/a	=	0.0888	µg/L	EPA 608.3	0.0009	0.02			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Endosulfan I	n/a	=	89	%	EPA 608.3	-88	-88	57	141	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Endosulfan I	n/a	=	0.0812	µg/L	EPA 608.3	0.0009	0.02			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Endosulfan I	n/a	=	81	%	EPA 608.3	-88	-88	57	141	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Endosulfan I	n/a	=	0.43	µg/L	EPA 608.3	0.009	0.2			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Endosulfan I	n/a	=	86	%	EPA 608.3	-88	-88	45	153	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Endosulfan I	n/a	=	0.399	µg/L	EPA 608.3	0.009	0.2			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Endosulfan I	n/a	=	80	%	EPA 608.3	-88	-88	45	153	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Endosulfan I	n/a	=	7	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Endosulfan II	n/a	DNQ	0.0724	µg/L	EPA 608.3	0.007	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Endosulfan II	n/a	=	72	%	EPA 608.3	-88	-88	17	202	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Endosulfan II	n/a	DNQ	0.0774	µg/L	EPA 608.3	0.007	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Endosulfan II	n/a	=	77	%	EPA 608.3	-88	-88	17	202	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Endosulfan II	n/a	=	7	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Endosulfan II	n/a	=	0.0952	µg/L	EPA 608.3	0.0007	0.01			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Endosulfan II	n/a	=	95	%	EPA 608.3	-88	-88	22	171	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Endosulfan II	n/a	=	0.0878	µg/L	EPA 608.3	0.0007	0.01			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Endosulfan II	n/a	=	88	%	EPA 608.3	-88	-88	22	171	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Endosulfan II	n/a	=	0.479	µg/L	EPA 608.3	0.007	0.1			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Endosulfan II	n/a	=	96	%	EPA 608.3	-88	-88	17	202	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Endosulfan II	n/a	=	0.438	µg/L	EPA 608.3	0.007	0.1			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Endosulfan II	n/a	=	88	%	EPA 608.3	-88	-88	17	202	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Endosulfan II	n/a	=	9	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0971	µg/L	EPA 608.3	0.013	0.5			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Endosulfan sulfate	n/a	=	97	%	EPA 608.3	-88	-88	26	144	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0981	µg/L	EPA 608.3	0.013	0.5			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Endosulfan sulfate	n/a	=	98	%	EPA 608.3	-88	-88	26	144	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Endosulfan sulfate	n/a	=	1	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Endosulfan sulfate	n/a	=	0.113	µg/L	EPA 608.3	0.0013	0.05			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Endosulfan sulfate	n/a	=	113	%	EPA 608.3	-88	-88	38	132	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Endosulfan sulfate	n/a	=	0.092	µg/L	EPA 608.3	0.0013	0.05			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Endosulfan sulfate	n/a	=	92	%	EPA 608.3	-88	-88	38	132	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Endosulfan sulfate	n/a	=	0.558	µg/L	EPA 608.3	0.013	0.5			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Endosulfan sulfate	n/a	=	112	%	EPA 608.3	-88	-88	26	144	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.498	µg/L	EPA 608.3	0.013	0.5			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Endosulfan sulfate	n/a	=	100	%	EPA 608.3	-88	-88	26	144	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Endosulfan sulfate	n/a	=	11	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Endrin	n/a	=	0.101	µg/L	EPA 608.3	0.017	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Endrin	n/a	=	101	%	EPA 608.3	-88	-88	30	147	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Endrin	n/a	=	0.104	µg/L	EPA 608.3	0.017	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Endrin	n/a	=	104	%	EPA 608.3	-88	-88	30	147	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Endrin	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Endrin	n/a	=	0.132	µg/L	EPA 608.3	0.0017	0.01			EUM
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Endrin	n/a	=	132	%	EPA 608.3	-88	-88	51	130	EUM
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Endrin	n/a	=	0.118	µg/L	EPA 608.3	0.0017	0.01			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Endrin	n/a	=	118	%	EPA 608.3	-88	-88	51	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Endrin	n/a	=	0.679	µg/L	EPA 608.3	0.017	0.1			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Endrin	n/a	=	136	%	EPA 608.3	-88	-88	30	147	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Endrin	n/a	=	0.621	µg/L	EPA 608.3	0.017	0.1			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Endrin	n/a	=	124	%	EPA 608.3	-88	-88	30	147	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Endrin	n/a	=	9	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Endrin aldehyde	n/a	DNQ	0.0477	µg/L	EPA 608.3	0.019	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Endrin aldehyde	n/a	=	48	%	EPA 608.3	-88	-88	11	140	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Endrin aldehyde	n/a	DNQ	0.0703	µg/L	EPA 608.3	0.019	0.1			IL
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Endrin aldehyde	n/a	=	70	%	EPA 608.3	-88	-88	11	140	IL
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Endrin aldehyde	n/a	=	38	%	EPA 608.3	-88	-88	0	30	IL
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Endrin aldehyde	n/a	=	0.0886	µg/L	EPA 608.3	0.0019	0.01			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Endrin aldehyde	n/a	=	89	%	EPA 608.3	-88	-88	18	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Endrin aldehyde	n/a	=	0.0814	µg/L	EPA 608.3	0.0019	0.01			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Endrin aldehyde	n/a	=	81	%	EPA 608.3	-88	-88	18	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Endrin aldehyde	n/a	=	0.374	µg/L	EPA 608.3	0.019	0.1			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Endrin aldehyde	n/a	=	75	%	EPA 608.3	-88	-88	11	140	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Endrin aldehyde	n/a	=	0.327	µg/L	EPA 608.3	0.019	0.1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Endrin aldehyde	n/a	=	65	%	EPA 608.3	-88	-88	11	140	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Endrin aldehyde	n/a	=	13	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	EPTC	n/a	=	5.51	µg/L	EPA 525.2	0.017	1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	EPTC	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	EPTC	n/a	=	5.56	µg/L	EPA 525.2	0.017	1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	EPTC	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	EPTC	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	EPTC	n/a	=	5.7	µg/L	EPA 525.2	0.017	1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	EPTC	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	EPTC	n/a	=	5.7	µg/L	EPA 525.2	0.017	1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	EPTC	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	EPTC	n/a	=	0.07	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Ethoprop	n/a	=	0.0609	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Ethoprop	n/a	=	122	%	EPA 525.2m	-88	-88	51	167	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Ethoprop	n/a	=	0.0568	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Ethoprop	n/a	=	114	%	EPA 525.2m	-88	-88	51	167	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Ethoprop	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Ethoprop	n/a	=	0.043	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Ethoprop	n/a	=	86	%	EPA 525.2m	-88	-88	53	163	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Ethyl parathion	n/a	=	0.0931	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Ethyl parathion	n/a	=	186	%	EPA 525.2m	-88	-88	5	229	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Ethyl parathion	n/a	=	0.0755	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Ethyl parathion	n/a	=	151	%	EPA 525.2m	-88	-88	5	229	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Ethyl parathion	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Ethyl parathion	n/a	=	0.0574	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Ethyl parathion	n/a	=	115	%	EPA 525.2m	-88	-88	7	230	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Fensulfothion	n/a	=	0.0762	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Fensulfothion	n/a	=	152	%	EPA 525.2m	-88	-88	0.1	316	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Fensulfothion	n/a	=	0.0805	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Fensulfothion	n/a	=	161	%	EPA 525.2m	-88	-88	0.1	316	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Fensulfothion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Fensulfothion	n/a	=	0.0582	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Fensulfothion	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	265	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Fenthion	n/a	=	0.0555	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Fenthion	n/a	=	111	%	EPA 525.2m	-88	-88	23	169	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Fenthion	n/a	=	0.0463	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Fenthion	n/a	=	93	%	EPA 525.2m	-88	-88	23	169	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Fenthion	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Fenthion	n/a	=	0.045	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Fenthion	n/a	=	90	%	EPA 525.2m	-88	-88	20	177	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0793	µg/L	EPA 608.3	0.004	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	79	%	EPA 608.3	-88	-88	32	140	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0892	µg/L	EPA 608.3	0.004	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	89	%	EPA 608.3	-88	-88	32	140	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	12	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.102	µg/L	EPA 608.3	0.0004	0.02			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	102	%	EPA 608.3	-88	-88	43	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0971	µg/L	EPA 608.3	0.0004	0.02			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	97	%	EPA 608.3	-88	-88	43	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.478	µg/L	EPA 608.3	0.004	0.2			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	96	%	EPA 608.3	-88	-88	32	140	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.443	µg/L	EPA 608.3	0.004	0.2			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	89	%	EPA 608.3	-88	-88	32	140	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	8	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-2	Lab	method blank	2/18/2020	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-2	Lab	method blank	1/20/2020	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2019/20-2	Lab	LCS	1/20/2020	Pesticide	Glyphosate	n/a	=	24.9	µg/L	EPA 547	1.8	5			
2019/20-2	Lab	LCS, rec	1/20/2020	Pesticide	Glyphosate	n/a	=	99	%	EPA 547	-88	-88	70	130	
2019/20-2	ME-CC	matrix spike	1/20/2020	Pesticide	Glyphosate	n/a	=	32.4	µg/L	EPA 547	1.8	5			
2019/20-2	ME-CC	matrix spike, rec	1/20/2020	Pesticide	Glyphosate	n/a	=	97	%	EPA 547	-88	-88	41	149	
2019/20-2	ME-CC	matrix spike dup	1/20/2020	Pesticide	Glyphosate	n/a	=	34.7	µg/L	EPA 547	1.8	5			
2019/20-2	ME-CC	matrix spike dup, rec	1/20/2020	Pesticide	Glyphosate	n/a	=	106	%	EPA 547	-88	-88	41	149	
2019/20-2	ME-CC	matrix spike, RPD	1/20/2020	Pesticide	Glyphosate	n/a	=	7	%	EPA 547	-88	-88	0	30	
2019/20-2	ME-SCR	matrix spike	1/20/2020	Pesticide	Glyphosate	n/a	=	27.3	µg/L	EPA 547	1.8	5			
2019/20-2	ME-SCR	matrix spike, rec	1/20/2020	Pesticide	Glyphosate	n/a	=	99	%	EPA 547	-88	-88	41	149	
2019/20-2	ME-SCR	matrix spike dup	1/20/2020	Pesticide	Glyphosate	n/a	=	29	µg/L	EPA 547	1.8	5			
2019/20-2	ME-SCR	matrix spike dup, rec	1/20/2020	Pesticide	Glyphosate	n/a	=	106	%	EPA 547	-88	-88	41	149	
2019/20-2	ME-SCR	matrix spike, RPD	1/20/2020	Pesticide	Glyphosate	n/a	=	6	%	EPA 547	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Heptachlor	n/a	DNQ	0.0719	µg/L	EPA 608.3	0.006	0.1			
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Heptachlor	n/a	=	72	%	EPA 608.3	-88	-88	34	140	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Heptachlor	n/a	DNQ	0.0677	µg/L	EPA 608.3	0.006	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Heptachlor	n/a	=	68	%	EPA 608.3	-88	-88	34	140	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Heptachlor	n/a	=	6	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Heptachlor	n/a	=	0.108	µg/L	EPA 608.3	0.0006	0.01			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Heptachlor	n/a	=	108	%	EPA 608.3	-88	-88	43	130	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Heptachlor	n/a	=	0.101	µg/L	EPA 608.3	0.0006	0.01			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Heptachlor	n/a	=	101	%	EPA 608.3	-88	-88	43	130	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Heptachlor	n/a	=	0.53	µg/L	EPA 608.3	0.006	0.1			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Heptachlor	n/a	=	106	%	EPA 608.3	-88	-88	34	140	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Heptachlor	n/a	=	0.493	µg/L	EPA 608.3	0.006	0.1			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Heptachlor	n/a	=	99	%	EPA 608.3	-88	-88	34	140	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Heptachlor	n/a	=	7	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	2/18/2020	Pesticide	Heptachlor epoxide	n/a	DNQ	0.0784	µg/L	EPA 608.3	0.004	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike, rec	2/18/2020	Pesticide	Heptachlor epoxide	n/a	=	78	%	EPA 608.3	-88	-88	37	142	
2019/20-2	000NONPJ	matrix spike dup	2/18/2020	Pesticide	Heptachlor epoxide	n/a	DNQ	0.0806	µg/L	EPA 608.3	0.004	0.1			
2019/20-2	000NONPJ	matrix spike dup, rec	2/18/2020	Pesticide	Heptachlor epoxide	n/a	=	81	%	EPA 608.3	-88	-88	37	142	
2019/20-2	000NONPJ	matrix spike, RPD	2/18/2020	Pesticide	Heptachlor epoxide	n/a	=	3	%	EPA 608.3	-88	-88	0	30	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-2	Lab	LCS	2/14/2020	Pesticide	Heptachlor epoxide	n/a	=	0.1	µg/L	EPA 608.3	0.0004	0.01			
2019/20-2	Lab	LCS, rec	2/14/2020	Pesticide	Heptachlor epoxide	n/a	=	100	%	EPA 608.3	-88	-88	57	132	
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-2	Lab	LCS	2/18/2020	Pesticide	Heptachlor epoxide	n/a	=	0.0921	µg/L	EPA 608.3	0.0004	0.01			
2019/20-2	Lab	LCS, rec	2/18/2020	Pesticide	Heptachlor epoxide	n/a	=	92	%	EPA 608.3	-88	-88	57	132	
2019/20-2	ME-CC	matrix spike	2/14/2020	Pesticide	Heptachlor epoxide	n/a	=	0.485	µg/L	EPA 608.3	0.004	0.1			
2019/20-2	ME-CC	matrix spike, rec	2/14/2020	Pesticide	Heptachlor epoxide	n/a	=	97	%	EPA 608.3	-88	-88	37	142	
2019/20-2	ME-CC	matrix spike dup	2/14/2020	Pesticide	Heptachlor epoxide	n/a	=	0.452	µg/L	EPA 608.3	0.004	0.1			
2019/20-2	ME-CC	matrix spike dup, rec	2/14/2020	Pesticide	Heptachlor epoxide	n/a	=	90	%	EPA 608.3	-88	-88	37	142	
2019/20-2	ME-CC	matrix spike, RPD	2/14/2020	Pesticide	Heptachlor epoxide	n/a	=	7	%	EPA 608.3	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Malathion	n/a	=	0.0954	µg/L	EPA 525.2m	0.0076	0.01			GB
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Malathion	n/a	=	191	%	EPA 525.2m	-88	-88	6	184	GB
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Malathion	n/a	=	0.0694	µg/L	EPA 525.2m	0.0076	0.01			IL
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Malathion	n/a	=	139	%	EPA 525.2m	-88	-88	6	184	IL
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Malathion	n/a	=	32	%	EPA 525.2m	-88	-88	0	30	IL
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Malathion	n/a	=	0.0619	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Malathion	n/a	=	124	%	EPA 525.2m	-88	-88	14	175	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Merphos	n/a	=	0.078	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Merphos	n/a	=	156	%	EPA 525.2m	-88	-88	3	210	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Merphos	n/a	=	0.0854	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Merphos	n/a	=	171	%	EPA 525.2m	-88	-88	3	210	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Merphos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Merphos	n/a	=	0.067	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Merphos	n/a	=	134	%	EPA 525.2m	-88	-88	28	181	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Methyl parathion	n/a	=	0.0976	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Methyl parathion	n/a	=	195	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Methyl parathion	n/a	=	0.0828	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Methyl parathion	n/a	=	166	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Methyl parathion	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Methyl parathion	n/a	=	0.0564	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Methyl parathion	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	252	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Metolachlor	n/a	=	5.53	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Metolachlor	n/a	=	111	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Metolachlor	n/a	=	5.52	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Metolachlor	n/a	=	110	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Metolachlor	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Metolachlor	n/a	=	5.5	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Metolachlor	n/a	=	110	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Metolachlor	n/a	=	5.6	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Metolachlor	n/a	=	112	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Metolachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Metribuzin	n/a	=	5.27	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Metribuzin	n/a	=	105	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Metribuzin	n/a	=	5.03	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Metribuzin	n/a	=	101	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Metribuzin	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Metribuzin	n/a	=	5.23	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Metribuzin	n/a	=	105	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Metribuzin	n/a	=	5.29	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Metribuzin	n/a	=	106	%	EPA 525.2	-88	-88	50	120	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Metribuzin	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Mevinphos	n/a	=	0.0535	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Mevinphos	n/a	=	107	%	EPA 525.2m	-88	-88	25	189	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Mevinphos	n/a	=	0.0526	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Mevinphos	n/a	=	105	%	EPA 525.2m	-88	-88	25	189	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Mevinphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Mevinphos	n/a	=	0.0391	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Mevinphos	n/a	=	78	%	EPA 525.2m	-88	-88	14	202	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Molinate	n/a	=	5.34	µg/L	EPA 525.2	0.039	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Molinate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Molinate	n/a	=	5.4	µg/L	EPA 525.2	0.039	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Molinate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Molinate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Molinate	n/a	=	5.39	µg/L	EPA 525.2	0.039	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Molinate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Molinate	n/a	=	5.3	µg/L	EPA 525.2	0.039	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Molinate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Naled	n/a	=	0.114	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Naled	n/a	=	229	%	EPA 525.2m	-88	-88	0.1	242	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Naled	n/a	=	0.103	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Naled	n/a	=	205	%	EPA 525.2m	-88	-88	0.1	242	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Naled	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Naled	n/a	=	0.0714	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Naled	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	240	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	Pentachlorophenol	n/a	=	3.88	µg/L	EPA 515.4	0.046	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	Pentachlorophenol	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	Pentachlorophenol	n/a	=	3.81	µg/L	EPA 515.4	0.046	0.2			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	Pentachlorophenol	n/a	=	3.89	µg/L	EPA 515.4	0.046	0.2			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	Pentachlorophenol	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-2	Lab	method blank	1/31/2020	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2019/20-2	Lab	LCS	1/31/2020	Pesticide	Pentachlorophenol	n/a	=	8.46	µg/L	EPA 8270C	0.15	1			
2019/20-2	Lab	LCS, rec	1/31/2020	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 8270C	-88	-88	29	106	
2019/20-2	Lab	LCS dup	1/31/2020	Pesticide	Pentachlorophenol	n/a	=	10.4	µg/L	EPA 8270C	0.15	1			
2019/20-2	Lab	LCS dup, rec	1/31/2020	Pesticide	Pentachlorophenol	n/a	=	104	%	EPA 8270C	-88	-88	29	106	
2019/20-2	Lab	LCS, RPD	1/31/2020	Pesticide	Pentachlorophenol	n/a	=	21	%	EPA 8270C	-88	-88	0	30	
2019/20-2	Lab	method blank	2/6/2020	Pesticide	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1			
2019/20-2	Lab	LCS	2/6/2020	Pesticide	Pentachlorophenol	n/a	=	26.7	µg/L	EPA 625.1	0.4	1			
2019/20-2	Lab	LCS, rec	2/6/2020	Pesticide	Pentachlorophenol	n/a	=	107	%	EPA 625.1	-88	-88	41	120	
2019/20-2	Lab	LCS dup	2/6/2020	Pesticide	Pentachlorophenol	n/a	=	26.5	µg/L	EPA 625.1	0.4	1			
2019/20-2	Lab	LCS dup, rec	2/6/2020	Pesticide	Pentachlorophenol	n/a	=	106	%	EPA 625.1	-88	-88	41	120	
2019/20-2	Lab	LCS, RPD	2/6/2020	Pesticide	Pentachlorophenol	n/a	=	0.5	%	EPA 625.1	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Phorate	n/a	=	0.0632	µg/L	EPA 525.2m	0.003	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Phorate	n/a	=	126	%	EPA 525.2m	-88	-88	31	181	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Phorate	n/a	=	0.0598	µg/L	EPA 525.2m	0.003	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Phorate	n/a	=	120	%	EPA 525.2m	-88	-88	31	181	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Phorate	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Phorate	n/a	=	0.0496	µg/L	EPA 525.2m	0.003	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Phorate	n/a	=	99	%	EPA 525.2m	-88	-88	26	180	
2019/20-2	000NONPJ	matrix spike	1/25/2020	Pesticide	Picloram	n/a	=	3.97	µg/L	EPA 515.4	0.038	0.6			
2019/20-2	000NONPJ	matrix spike, rec	1/25/2020	Pesticide	Picloram	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike dup	1/25/2020	Pesticide	Picloram	n/a	=	3.96	µg/L	EPA 515.4	0.038	0.6			
2019/20-2	000NONPJ	matrix spike dup, rec	1/25/2020	Pesticide	Picloram	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-2	000NONPJ	matrix spike, RPD	1/25/2020	Pesticide	Picloram	n/a	=	0.1	%	EPA 515.4	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6			
2019/20-2	Lab	LCS	1/25/2020	Pesticide	Picloram	n/a	=	3.84	µg/L	EPA 515.4	0.038	0.6			
2019/20-2	Lab	LCS, rec	1/25/2020	Pesticide	Picloram	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Prometon	n/a	=	2.18	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Prometon	n/a	=	44	%	EPA 525.2	-88	-88	15	120	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Prometon	n/a	=	2.17	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Prometon	n/a	=	43	%	EPA 525.2	-88	-88	15	120	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Prometon	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Prometon	n/a	=	2.38	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Prometon	n/a	=	48	%	EPA 525.2	-88	-88	15	120	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Prometon	n/a	=	2.38	µg/L	EPA 525.2	0.024	0.2			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Prometon	n/a	=	48	%	EPA 525.2	-88	-88	15	120	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Prometon	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Prometryn	n/a	=	3.83	µg/L	EPA 525.2	0.036	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Prometryn	n/a	=	77	%	EPA 525.2	-88	-88	30	120	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Prometryn	n/a	=	3.79	µg/L	EPA 525.2	0.036	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Prometryn	n/a	=	76	%	EPA 525.2	-88	-88	30	120	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Prometryn	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Prometryn	n/a	=	3.53	µg/L	EPA 525.2	0.036	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Prometryn	n/a	=	71	%	EPA 525.2	-88	-88	30	120	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Prometryn	n/a	=	3.71	µg/L	EPA 525.2	0.036	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Prometryn	n/a	=	74	%	EPA 525.2	-88	-88	30	120	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Prometryn	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Ronnel (Fenclorhpos)	n/a	=	0.0659	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Ronnel (Fenclorhpos)	n/a	=	132	%	EPA 525.2m	-88	-88	29	153	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Ronnel (Fenclorhpos)	n/a	=	0.0564	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Ronnel (Fenclorhpos)	n/a	=	113	%	EPA 525.2m	-88	-88	29	153	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Ronnel (Fenclorhpos)	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Ronnel (Fenclorhpos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Ronnel (Fenclorhpos)	n/a	=	0.0497	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Ronnel (Fenclorhpos)	n/a	=	99	%	EPA 525.2m	-88	-88	34	154	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Simazine	n/a	=	4.72	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Simazine	n/a	=	94	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Simazine	n/a	=	4.9	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Simazine	n/a	=	98	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Simazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Simazine	n/a	=	4.83	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Simazine	n/a	=	97	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Simazine	n/a	=	4.88	µg/L	EPA 525.2	0.015	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Simazine	n/a	=	98	%	EPA 525.2	-88	-88	60	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Simazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.105	µg/L	EPA 525.2m	0.0031	0.01			GB
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	211	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0839	µg/L	EPA 525.2m	0.0031	0.01			GB
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	168	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0703	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	141	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Terbacil	n/a	=	5.73	µg/L	EPA 525.2	0.55	2			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Terbacil	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Terbacil	n/a	=	5.89	µg/L	EPA 525.2	0.55	2			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Terbacil	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Terbacil	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Terbacil	n/a	=	5.54	µg/L	EPA 525.2	0.55	2			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Terbacil	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Terbacil	n/a	=	5.76	µg/L	EPA 525.2	0.55	2			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Terbacil	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Terbacil	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Thiobencarb	n/a	=	5.33	µg/L	EPA 525.2	0.025	0.2			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Thiobencarb	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Thiobencarb	n/a	=	5.42	µg/L	EPA 525.2	0.025	0.2			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Thiobencarb	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Thiobencarb	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Thiobencarb	n/a	=	5.38	µg/L	EPA 525.2	0.025	0.2			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Thiobencarb	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Thiobencarb	n/a	=	5.58	µg/L	EPA 525.2	0.025	0.2			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Thiobencarb	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Thiobencarb	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Tokuthion	n/a	=	0.0577	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Tokuthion	n/a	=	115	%	EPA 525.2m	-88	-88	27	160	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Tokuthion	n/a	=	0.0601	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Tokuthion	n/a	=	120	%	EPA 525.2m	-88	-88	27	160	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Tokuthion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Tokuthion	n/a	=	0.0588	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Tokuthion	n/a	=	118	%	EPA 525.2m	-88	-88	23	159	
2019/20-2	Lab	method blank	2/14/2020	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-2	Lab	method blank	2/18/2020	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-2	000NONPJ	matrix spike	1/28/2020	Pesticide	Trichloronate	n/a	=	0.0682	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-2	000NONPJ	matrix spike, rec	1/28/2020	Pesticide	Trichloronate	n/a	=	136	%	EPA 525.2m	-88	-88	40	150	
2019/20-2	000NONPJ	matrix spike dup	1/28/2020	Pesticide	Trichloronate	n/a	=	0.0554	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-2	000NONPJ	matrix spike dup, rec	1/28/2020	Pesticide	Trichloronate	n/a	=	111	%	EPA 525.2m	-88	-88	40	150	
2019/20-2	000NONPJ	matrix spike, RPD	1/28/2020	Pesticide	Trichloronate	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2019/20-2	Lab	method blank	1/27/2020	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-2	Lab	LCS	1/27/2020	Pesticide	Trichloronate	n/a	=	0.0519	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-2	Lab	LCS, rec	1/27/2020	Pesticide	Trichloronate	n/a	=	104	%	EPA 525.2m	-88	-88	34	153	
2019/20-2	Lab	method blank	1/23/2020	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS	1/23/2020	Pesticide	Trithion	n/a	=	5.21	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS, rec	1/23/2020	Pesticide	Trithion	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/23/2020	Pesticide	Trithion	n/a	=	5.27	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS dup, rec	1/23/2020	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/23/2020	Pesticide	Trithion	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-2	Lab	method blank	1/24/2020	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS	1/24/2020	Pesticide	Trithion	n/a	=	5.14	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS, rec	1/24/2020	Pesticide	Trithion	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS dup	1/24/2020	Pesticide	Trithion	n/a	=	5.26	µg/L	EPA 525.2	0.012	0.1			
2019/20-2	Lab	LCS dup, rec	1/24/2020	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-2	Lab	LCS, RPD	1/24/2020	Pesticide	Trithion	n/a	=	2	%	EPA 525.2	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike	3/13/2020	Anion	Chloride	n/a	=	339	mg/L	EPA 300.0	0.85	5			
2019/20-3	000NONPJ	matrix spike, rec	3/13/2020	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	
2019/20-3	000NONPJ	matrix spike dup	3/13/2020	Anion	Chloride	n/a	=	340	mg/L	EPA 300.0	0.85	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/13/2020	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	
2019/20-3	000NONPJ	matrix spike, RPD	3/13/2020	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2019/20-3	000NONPJ	matrix spike	3/13/2020	Anion	Chloride	n/a	=	347	mg/L	EPA 300.0	0.85	5			
2019/20-3	000NONPJ	matrix spike, rec	3/13/2020	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	76	118	
2019/20-3	000NONPJ	matrix spike dup	3/13/2020	Anion	Chloride	n/a	=	348	mg/L	EPA 300.0	0.85	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/13/2020	Anion	Chloride	n/a	=	106	%	EPA 300.0	-88	-88	76	118	
2019/20-3	000NONPJ	matrix spike, RPD	3/13/2020	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2019/20-3	Lab	method blank	3/12/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-3	Lab	LCS	3/12/2020	Anion	Chloride	n/a	=	20.4	mg/L	EPA 300.0	0.085	0.5			
2019/20-3	Lab	LCS, rec	3/12/2020	Anion	Chloride	n/a	=	102	%	EPA 300.0	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike	3/13/2020	Anion	Fluoride	n/a	=	19.2	mg/L	EPA 300.0	0.09	1			
2019/20-3	000NONPJ	matrix spike, rec	3/13/2020	Anion	Fluoride	n/a	=	92	%	EPA 300.0	-88	-88	86	107	
2019/20-3	000NONPJ	matrix spike dup	3/13/2020	Anion	Fluoride	n/a	=	19.3	mg/L	EPA 300.0	0.09	1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/13/2020	Anion	Fluoride	n/a	=	93	%	EPA 300.0	-88	-88	86	107	
2019/20-3	000NONPJ	matrix spike, RPD	3/13/2020	Anion	Fluoride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2019/20-3	000NONPJ	matrix spike	3/13/2020	Anion	Fluoride	n/a	=	19.9	mg/L	EPA 300.0	0.09	1			
2019/20-3	000NONPJ	matrix spike, rec	3/13/2020	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2019/20-3	000NONPJ	matrix spike dup	3/13/2020	Anion	Fluoride	n/a	=	20	mg/L	EPA 300.0	0.09	1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/13/2020	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2019/20-3	000NONPJ	matrix spike, RPD	3/13/2020	Anion	Fluoride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2019/20-3	Lab	method blank	3/12/2020	Anion	Fluoride	n/a	<	0.009	mg/L	EPA 300.0	0.009	0.1			
2019/20-3	Lab	LCS	3/12/2020	Anion	Fluoride	n/a	=	1.97	mg/L	EPA 300.0	0.009	0.1			
2019/20-3	Lab	LCS, rec	3/12/2020	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike	3/12/2020	Anion	Perchlorate	n/a	=	11.7	µg/L	EPA 314.0	0.84	2			
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Anion	Perchlorate	n/a	=	101	%	EPA 314.0	-88	-88	80	120	
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Anion	Perchlorate	n/a	=	10.1	µg/L	EPA 314.0	0.84	2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Anion	Perchlorate	n/a	=	85	%	EPA 314.0	-88	-88	80	120	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Anion	Perchlorate	n/a	=	15	%	EPA 314.0	-88	-88	0	15	
2019/20-3	Lab	method blank	3/12/2020	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-3	Lab	LCS	3/12/2020	Anion	Perchlorate	n/a	=	9.16	µg/L	EPA 314.0	0.84	2			
2019/20-3	Lab	LCS, rec	3/12/2020	Anion	Perchlorate	n/a	=	92	%	EPA 314.0	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/13/2020	Anion	Sulfate	Total	=	200	mg/L	EPA 300.0	2.4	5			
2019/20-3	000NONPJ	matrix spike, rec	3/13/2020	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	78	111	
2019/20-3	000NONPJ	matrix spike dup	3/13/2020	Anion	Sulfate	Total	=	200	mg/L	EPA 300.0	2.4	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/13/2020	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	78	111	
2019/20-3	000NONPJ	matrix spike, RPD	3/13/2020	Anion	Sulfate	Total	=	0.08	%	EPA 300.0	-88	-88	0	20	
2019/20-3	000NONPJ	matrix spike	3/13/2020	Anion	Sulfate	Total	=	206	mg/L	EPA 300.0	2.4	5			
2019/20-3	000NONPJ	matrix spike, rec	3/13/2020	Anion	Sulfate	Total	=	103	%	EPA 300.0	-88	-88	78	111	
2019/20-3	000NONPJ	matrix spike dup	3/13/2020	Anion	Sulfate	Total	=	207	mg/L	EPA 300.0	2.4	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/13/2020	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	78	111	
2019/20-3	000NONPJ	matrix spike, RPD	3/13/2020	Anion	Sulfate	Total	=	0.4	%	EPA 300.0	-88	-88	0	20	
2019/20-3	Lab	method blank	3/12/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-3	Lab	LCS	3/12/2020	Anion	Sulfate	Total	=	20.5	mg/L	EPA 300.0	0.24	0.5			
2019/20-3	Lab	LCS, rec	3/12/2020	Anion	Sulfate	Total	=	103	%	EPA 300.0	-88	-88	90	110	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike	3/20/2020	Cation	Calcium	Total	=	57.2	mg/L	EPA 200.7	0.016	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/20/2020	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/20/2020	Cation	Calcium	Total	=	58.6	mg/L	EPA 200.7	0.016	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/20/2020	Cation	Calcium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/20/2020	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-3	Lab	method blank	3/20/2020	Cation	Calcium	Total	DNQ	0.016	mg/L	EPA 200.7	0.016	0.1			IP
2019/20-3	Lab	LCS	3/20/2020	Cation	Calcium	Total	=	50.9	mg/L	EPA 200.7	0.016	0.1			
2019/20-3	Lab	LCS, rec	3/20/2020	Cation	Calcium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/20/2020	Cation	Magnesium	Total	=	51.8	mg/L	EPA 200.7	0.012	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/20/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/20/2020	Cation	Magnesium	Total	=	53.2	mg/L	EPA 200.7	0.012	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/20/2020	Cation	Magnesium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/20/2020	Cation	Magnesium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2019/20-3	Lab	method blank	3/20/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-3	Lab	LCS	3/20/2020	Cation	Magnesium	Total	=	50.4	mg/L	EPA 200.7	0.012	0.1			
2019/20-3	Lab	LCS, rec	3/20/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/20/2020	Cation	Potassium	Total	=	54.6	mg/L	EPA 200.7	0.081	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/20/2020	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/20/2020	Cation	Potassium	Total	=	56.1	mg/L	EPA 200.7	0.081	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/20/2020	Cation	Potassium	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/20/2020	Cation	Potassium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2019/20-3	Lab	method blank	3/20/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-3	Lab	LCS	3/20/2020	Cation	Potassium	Total	=	52.6	mg/L	EPA 200.7	0.081	0.1			
2019/20-3	Lab	LCS, rec	3/20/2020	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/20/2020	Cation	Sodium	Total	=	51.1	mg/L	EPA 200.7	0.015	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/20/2020	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/20/2020	Cation	Sodium	Total	=	52.4	mg/L	EPA 200.7	0.015	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/20/2020	Cation	Sodium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/20/2020	Cation	Sodium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2019/20-3	Lab	method blank	3/20/2020	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-3	Lab	LCS	3/20/2020	Cation	Sodium	Total	=	49.2	mg/L	EPA 200.7	0.015	0.5			
2019/20-3	Lab	LCS, rec	3/20/2020	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-3	000NONPJ	lab duplicate	3/16/2020	Conventional	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	2		15	
2019/20-3	Lab	method blank	3/16/2020	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	2			
2019/20-3	Lab	LCS	3/16/2020	Conventional	Alkalinity as CaCO3	n/a	=	244	mg/L	SM 2320 B	0.56	2			
2019/20-3	Lab	LCS, rec	3/16/2020	Conventional	Alkalinity as CaCO3	n/a	=	98	%	SM 2320 B	-88	-88	94	108	
2019/20-3	000NONPJ	lab duplicate	3/17/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2019/20-3	Lab	method blank	3/17/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-3	Lab	method blank	3/17/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-3	Lab	LCS	3/17/2020	Conventional	BOD	n/a	=	214	mg/L	SM 5210 B	2	2			
2019/20-3	Lab	LCS, rec	3/17/2020	Conventional	BOD	n/a	=	108	%	SM 5210 B	-88	-88	85	115	
2019/20-3	000NONPJ	lab duplicate	3/19/2020	Conventional	COD	n/a	=	9140	mg/L	EPA 410.4	57	100		15	
2019/20-3	000NONPJ	matrix spike	3/19/2020	Conventional	COD	n/a	=	2650	mg/L	EPA 410.4	11	20			
2019/20-3	000NONPJ	matrix spike, rec	3/19/2020	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/19/2020	Conventional	COD	n/a	=	2650	mg/L	EPA 410.4	11	20			
2019/20-3	000NONPJ	matrix spike dup, rec	3/19/2020	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/19/2020	Conventional	COD	n/a	=	0	%	EPA 410.4	-88	-88	0	15	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike	3/19/2020	Conventional	COD	n/a	=	226	mg/L	EPA 410.4	11	20			
2019/20-3	000NONPJ	matrix spike, rec	3/19/2020	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/19/2020	Conventional	COD	n/a	=	236	mg/L	EPA 410.4	11	20			
2019/20-3	000NONPJ	matrix spike dup, rec	3/19/2020	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/19/2020	Conventional	COD	n/a	=	5	%	EPA 410.4	-88	-88	0	15	
2019/20-3	Lab	LCS	3/19/2020	Conventional	COD	n/a	=	922	mg/L	EPA 410.4	2.9	5			
2019/20-3	Lab	LCS, rec	3/19/2020	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2019/20-3	Lab	method blank	3/19/2020	Conventional	COD	n/a	<	2.9	mg/L	EPA 410.4	2.9	5			
2019/20-3	000NONPJ	matrix spike	3/21/2020	Conventional	Cyanide	Total	=	0.0543	mg/L	ASTM D7511	0.0003	0.002			
2019/20-3	000NONPJ	matrix spike, rec	3/21/2020	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	64	136	
2019/20-3	000NONPJ	matrix spike dup	3/21/2020	Conventional	Cyanide	Total	=	0.0561	mg/L	ASTM D7511	0.0003	0.002			
2019/20-3	000NONPJ	matrix spike dup, rec	3/21/2020	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	64	136	
2019/20-3	000NONPJ	matrix spike, RPD	3/21/2020	Conventional	Cyanide	Total	=	3	%	ASTM D7511	-88	-88	0	47	
2019/20-3	000NONPJ	matrix spike	3/21/2020	Conventional	Cyanide	Total	=	0.055	mg/L	ASTM D7511	0.0003	0.002			
2019/20-3	000NONPJ	matrix spike, rec	3/21/2020	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	64	136	
2019/20-3	000NONPJ	matrix spike dup	3/21/2020	Conventional	Cyanide	Total	=	0.0555	mg/L	ASTM D7511	0.0003	0.002			
2019/20-3	000NONPJ	matrix spike dup, rec	3/21/2020	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	64	136	
2019/20-3	000NONPJ	matrix spike, RPD	3/21/2020	Conventional	Cyanide	Total	=	0.9	%	ASTM D7511	-88	-88	0	47	
2019/20-3	Lab	LCS	3/21/2020	Conventional	Cyanide	Total	=	0.0528	mg/L	ASTM D7511	0.0003	0.002			
2019/20-3	Lab	LCS, rec	3/21/2020	Conventional	Cyanide	Total	=	106	%	ASTM D7511	-88	-88	84	116	
2019/20-3	Lab	method blank	3/21/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-3	Lab	method blank	3/21/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-3	Lab	LCS	3/21/2020	Conventional	Cyanide	Total	=	0.0525	mg/L	ASTM D7511	0.0003	0.002			
2019/20-3	Lab	LCS, rec	3/21/2020	Conventional	Cyanide	Total	=	105	%	ASTM D7511	-88	-88	84	116	
2019/20-3	Lab	LCS	3/24/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.2	mg/L	SM 5310 B	0.5	0.5			
2019/20-3	Lab	LCS dup	3/24/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	9.73	mg/L	SM 5310 B	0.5	0.5			
2019/20-3	Lab	LCS dup, rec	3/24/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	97	%	SM 5310 B	-88	-88	85	115	
2019/20-3	Lab	LCS, rec	3/24/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	102	%	SM 5310 B	-88	-88	85	115	
2019/20-3	Lab	LCS, RPD	3/24/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	5	%	SM 5310 B	-88	-88	0	20	
2019/20-3	Lab	method blank	3/24/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2019/20-3	Lab	LCS	3/31/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	0.996	mg/L	SM 5310 B	0.016	0.1			
2019/20-3	Lab	LCS dup	3/31/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	1.01	mg/L	SM 5310 B	0.016	0.1			
2019/20-3	Lab	LCS dup, rec	3/31/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	101	%	SM 5310 B	-88	-88	85	115	
2019/20-3	Lab	LCS, rec	3/31/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	100	%	SM 5310 B	-88	-88	85	115	
2019/20-3	Lab	LCS, RPD	3/31/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	1	%	SM 5310 B	-88	-88	0	20	
2019/20-3	Lab	method blank	3/31/2020	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2019/20-3	000NONPJ	matrix spike	3/12/2020	Conventional	MBAS	n/a	=	0.198	mg/L	SM 5540 C	0.017	0.05			
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Conventional	MBAS	n/a	=	0.197	mg/L	SM 5540 C	0.017	0.05			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Conventional	MBAS	n/a	=	99	%	SM 5540 C	-88	-88	74	123	
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Conventional	MBAS	n/a	=	99	%	SM 5540 C	-88	-88	74	123	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Conventional	MBAS	n/a	=	0.1	%	SM 5540 C	-88	-88	0	20	
2019/20-3	Lab	LCS	3/12/2020	Conventional	MBAS	n/a	=	0.204	mg/L	SM 5540 C	0.017	0.05			
2019/20-3	Lab	LCS, rec	3/12/2020	Conventional	MBAS	n/a	=	102	%	SM 5540 C	-88	-88	82	115	
2019/20-3	Lab	method blank	3/12/2020	Conventional	MBAS	n/a	<	0.017	mg/L	SM 5540 C	0.017	0.05			
2019/20-3	000NONPJ	matrix spike	3/17/2020	Conventional	Phenolics	n/a	=	0.224	mg/L	EPA 420.4	0.0042	0.01			
2019/20-3	000NONPJ	matrix spike dup	3/17/2020	Conventional	Phenolics	n/a	=	0.225	mg/L	EPA 420.4	0.0042	0.01			
2019/20-3	000NONPJ	matrix spike dup, rec	3/17/2020	Conventional	Phenolics	n/a	=	90	%	EPA 420.4	-88	-88	90	110	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike, rec	3/17/2020	Conventional	Phenolics	n/a	=	90	%	EPA 420.4	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/17/2020	Conventional	Phenolics	n/a	=	0.06	%	EPA 420.4	-88	-88	0	20	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Conventional	Phenolics	n/a	=	0.249	mg/L	EPA 420.4	0.0042	0.01			
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Conventional	Phenolics	n/a	=	0.247	mg/L	EPA 420.4	0.0042	0.01			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Conventional	Phenolics	n/a	=	0.9	%	EPA 420.4	-88	-88	0	20	
2019/20-3	Lab	LCS	3/17/2020	Conventional	Phenolics	n/a	=	0.0971	mg/L	EPA 420.4	0.0042	0.01			
2019/20-3	Lab	LCS, rec	3/17/2020	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2019/20-3	Lab	method blank	3/17/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-3	Lab	LCS	3/18/2020	Conventional	Phenolics	n/a	=	0.0967	mg/L	EPA 420.4	0.0042	0.01			
2019/20-3	Lab	LCS, rec	3/18/2020	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2019/20-3	Lab	method blank	3/18/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-3	Lab	method blank	3/13/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-3	Lab	LCS	3/13/2020	Conventional	Specific Conductance	n/a	=	444	µmhos/cm	SM 2510 B	0.23	2			
2019/20-3	Lab	LCS, rec	3/13/2020	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2019/20-3	MO-SIM	lab duplicate	3/13/2020	Conventional	Specific Conductance	n/a	=	1700	µmhos/cm	SM 2510 B	0.23	2		4.28	
2019/20-3	000NONPJ	lab duplicate	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	0.094	mg/L	SM 4500-Cl G	0.0076	0.05			
2019/20-3	000NONPJ	matrix spike	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	0.24	mg/L	SM 4500-Cl G	0.0076	0.05			GB
2019/20-3	000NONPJ	matrix spike	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	1.18	mg/L	SM 4500-Cl G	0.038	0.25			
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	0.238	mg/L	SM 4500-Cl G	0.0076	0.05			GB
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	1.14	mg/L	SM 4500-Cl G	0.038	0.25			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	105	%	SM 4500-Cl G	-88	-88	78	114	
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	76	%	SM 4500-Cl G	-88	-88	78	114	GB
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	76	%	SM 4500-Cl G	-88	-88	78	114	GB
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	110	%	SM 4500-Cl G	-88	-88	78	114	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	0.8	%	SM 4500-Cl G	-88	-88	0	15	GB
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	4	%	SM 4500-Cl G	-88	-88	0	15	
2019/20-3	Lab	LCS	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	0.212	mg/L	SM 4500-Cl G	0.0076	0.05			
2019/20-3	Lab	LCS, rec	3/12/2020	Conventional	Total Chlorine Residual	n/a	=	106	%	SM 4500-Cl G	-88	-88	85	110	
2019/20-3	Lab	method blank	3/12/2020	Conventional	Total Chlorine Residual	n/a	<	0.0076	mg/L	SM 4500-Cl G	0.0076	0.05			
2019/20-3	000NONPJ	lab duplicate	3/13/2020	Conventional	Total Dissolved Solids	n/a	=	7850	mg/L	SM 2540 C	4	10		10	
2019/20-3	Lab	LCS	3/13/2020	Conventional	Total Dissolved Solids	n/a	=	832	mg/L	SM 2540 C	4	10			
2019/20-3	Lab	LCS, rec	3/13/2020	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2019/20-3	Lab	method blank	3/13/2020	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2019/20-3	000NONPJ	matrix spike	3/13/2020	Conventional	Total Organic Carbon	n/a	=	6.91	mg/L	SM 5310 B	0.073	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/13/2020	Conventional	Total Organic Carbon	n/a	=	104	%	SM 5310 B	-88	-88	76	115	
2019/20-3	000NONPJ	matrix spike dup	3/13/2020	Conventional	Total Organic Carbon	n/a	=	6.75	mg/L	SM 5310 B	0.073	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/13/2020	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 B	-88	-88	76	115	
2019/20-3	000NONPJ	matrix spike, RPD	3/13/2020	Conventional	Total Organic Carbon	n/a	=	2	%	SM 5310 B	-88	-88	0	20	
2019/20-3	Lab	method blank	3/13/2020	Conventional	Total Organic Carbon	n/a	<	0.073	mg/L	SM 5310 B	0.073	0.1			
2019/20-3	Lab	LCS	3/13/2020	Conventional	Total Organic Carbon	n/a	=	1.07	mg/L	SM 5310 B	0.073	0.1			
2019/20-3	Lab	LCS, rec	3/13/2020	Conventional	Total Organic Carbon	n/a	=	107	%	SM 5310 B	-88	-88	85	115	
2019/20-3	Lab	LCS	3/13/2020	Conventional	Total Suspended Solids	n/a	=	66.5	mg/L	SM 2540 D	-88	5			
2019/20-3	Lab	LCS, rec	3/13/2020	Conventional	Total Suspended Solids	n/a	=	104	%	SM 2540 D	-88	-88	90	110	
2019/20-3	Lab	method blank	3/13/2020	Conventional	Total Suspended Solids	n/a	DNQ	0.7	mg/L	SM 2540 D	-88	5			IP
2019/20-3	MO-SIM	lab duplicate	3/13/2020	Conventional	Total Suspended Solids	n/a	=	534	mg/L	SM 2540 D	-88	5		20	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	MO-VEN	lab duplicate	3/13/2020	Conventional	Total Suspended Solids	n/a	=	492	mg/L	SM 2540 D	-88	5		20	
2019/20-3	Lab	method blank	3/12/2020	Conventional	Turbidity	n/a	DNQ	0.02	NTU	EPA 180.1	0.017	0.1			IP
2019/20-3	Lab	LCS	3/12/2020	Conventional	Turbidity	n/a	=	10	NTU	EPA 180.1	0.017	0.1			
2019/20-3	Lab	LCS	3/12/2020	Conventional	Turbidity	n/a	=	4.02	NTU	EPA 180.1	0.017	0.1			
2019/20-3	Lab	LCS, rec	3/12/2020	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2019/20-3	Lab	LCS, rec	3/12/2020	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2019/20-3	MO-SPA	lab duplicate	3/12/2020	Conventional	Turbidity	n/a	=	140	NTU	EPA 180.1	0.17	1		10	
2019/20-3	Lab	LCS	3/13/2020	Conventional	Volatile Suspended Solids	n/a	=	49	mg/L	EPA 160.4	3.1	5			
2019/20-3	Lab	LCS, rec	3/13/2020	Conventional	Volatile Suspended Solids	n/a	=	108	%	EPA 160.4	-88	-88	90	110	
2019/20-3	Lab	method blank	3/13/2020	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-3	MO-SIM	lab duplicate	3/13/2020	Conventional	Volatile Suspended Solids	n/a	=	120	mg/L	EPA 160.4	3.1	5		15	
2019/20-3	MO-VEN	lab duplicate	3/13/2020	Conventional	Volatile Suspended Solids	n/a	=	97	mg/L	EPA 160.4	3.1	5		15	
2019/20-3	Lab	method blank	3/18/2020	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0276	mg/L	EPA 8015D	0.024	0.1			IP
2019/20-3	Lab	LCS	3/18/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.354	mg/L	EPA 8015D	0.024	0.1			
2019/20-3	Lab	LCS, rec	3/18/2020	Hydrocarbon	Diesel Range Organics	n/a	=	71	%	EPA 8015D	-88	-88	56	136	
2019/20-3	Lab	LCS dup	3/18/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.364	mg/L	EPA 8015D	0.024	0.1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Hydrocarbon	Diesel Range Organics	n/a	=	73	%	EPA 8015D	-88	-88	56	136	
2019/20-3	Lab	LCS, RPD	3/18/2020	Hydrocarbon	Diesel Range Organics	n/a	=	3	%	EPA 8015D	-88	-88	0	25	
2019/20-3	Lab	LCS	3/16/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0.99	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-3	Lab	LCS, rec	3/16/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	99	%	LUFT GC/MS	-88	-88	53	136	
2019/20-3	Lab	LCS dup	3/16/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0.99	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-3	Lab	LCS dup, rec	3/16/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	99	%	LUFT GC/MS	-88	-88	53	136	
2019/20-3	Lab	LCS, RPD	3/16/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0	%	LUFT GC/MS	-88	-88	0	25	
2019/20-3	Lab	method blank	3/16/2020	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-3	Lab	srgt method blank	3/18/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.192	mg/L	EPA 8015D	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/18/2020	Hydrocarbon	n-Tetracosane	n/a	=	77	%	EPA 8015D	-88	-88	64	155	
2019/20-3	Lab	srgt LCS	3/18/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.25	mg/L	EPA 8015D	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/18/2020	Hydrocarbon	n-Tetracosane	n/a	=	100	%	EPA 8015D	-88	-88	64	155	
2019/20-3	Lab	srgt LCS dup	3/18/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.242	mg/L	EPA 8015D	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/18/2020	Hydrocarbon	n-Tetracosane	n/a	=	97	%	EPA 8015D	-88	-88	64	155	
2019/20-3	ME-CC	srgt environ	3/19/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.224	mg/L	EPA 8015D	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/19/2020	Hydrocarbon	n-Tetracosane	n/a	=	90	%	EPA 8015D	-88	-88	64	155	
2019/20-3	MO-FIL	srgt environ	3/19/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.241	mg/L	EPA 8015D	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/19/2020	Hydrocarbon	n-Tetracosane	n/a	=	96	%	EPA 8015D	-88	-88	64	155	
2019/20-3	MO-OXN	srgt environ	3/19/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.26	mg/L	EPA 8015D	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/19/2020	Hydrocarbon	n-Tetracosane	n/a	=	104	%	EPA 8015D	-88	-88	64	155	
2019/20-3	MO-SIM	srgt environ	3/19/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.27	mg/L	EPA 8015D	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/19/2020	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2019/20-3	MO-VEN	srgt environ	3/18/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.267	mg/L	EPA 8015D	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/18/2020	Hydrocarbon	n-Tetracosane	n/a	=	107	%	EPA 8015D	-88	-88	64	155	
2019/20-3	Lab	LCS	3/18/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4.5	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	16.3	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS dup	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	15.7	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, rec	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, rec	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, RPD	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	4	%	EPA 1664A	-88	-88	0	18	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	method blank	3/18/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS	3/18/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4.49	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	17.8	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS dup	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	18.2	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	91	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, rec	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, rec	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	89	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, RPD	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2019/20-3	Lab	method blank	3/18/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS	3/20/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4.9	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS	3/20/2020	Hydrocarbon	Oil and Grease	n/a	=	16.5	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS dup	3/20/2020	Hydrocarbon	Oil and Grease	n/a	=	17.9	mg/L	EPA 1664A	1.3	5			
2019/20-3	Lab	LCS dup, rec	3/20/2020	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, rec	3/20/2020	Hydrocarbon	Oil and Grease	n/a	=	82	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, rec	3/20/2020	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2019/20-3	Lab	LCS, RPD	3/20/2020	Hydrocarbon	Oil and Grease	n/a	=	8	%	EPA 1664A	-88	-88	0	18	
2019/20-3	Lab	method blank	3/20/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-3	ME-CC	matrix spike	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	10.4	mg/L	EPA 1664A	1.3	5			GB
2019/20-3	ME-CC	matrix spike, rec	3/18/2020	Hydrocarbon	Oil and Grease	n/a	=	47	%	EPA 1664A	-88	-88	78	114	GB
2019/20-3	Lab	method blank	3/18/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-3	Lab	method blank	3/18/2020	Metal	Aluminum	Dissolved	DNQ	1.82	µg/L	EPA 200.8	1.3	5			IP
2019/20-3	Lab	LCS	3/18/2020	Metal	Aluminum	Dissolved	=	55.2	µg/L	EPA 200.8	1.3	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Aluminum	Dissolved	=	110	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Aluminum	Total	=	1470	µg/L	EPA 200.8	1.3	5			GB
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Aluminum	Total	=	207	%	EPA 200.8	-88	-88	70	130	GB
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Aluminum	Total	=	1420	µg/L	EPA 200.8	1.3	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Aluminum	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Aluminum	Total	=	201	µg/L	EPA 200.8	1.3	5			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Aluminum	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Aluminum	Total	=	201	µg/L	EPA 200.8	1.3	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Aluminum	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Aluminum	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2019/20-3	Lab	LCS	3/18/2020	Metal	Aluminum	Total	=	55.2	µg/L	EPA 200.8	1.3	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Aluminum	Total	=	110	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Antimony	Dissolved	DNQ	0.0839	µg/L	EPA 200.8	0.045	0.5			IP
2019/20-3	Lab	LCS	3/18/2020	Metal	Antimony	Dissolved	=	54.6	µg/L	EPA 200.8	0.045	0.5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Antimony	Dissolved	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Antimony	Total	=	54	µg/L	EPA 200.8	0.045	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Antimony	Total	=	54.5	µg/L	EPA 200.8	0.045	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Antimony	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Antimony	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Antimony	Total	=	55.6	µg/L	EPA 200.8	0.045	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Antimony	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Antimony	Total	=	56.4	µg/L	EPA 200.8	0.045	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Antimony	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-3	Lab	LCS	3/18/2020	Metal	Antimony	Total	=	54.6	µg/L	EPA 200.8	0.045	0.5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Antimony	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-3	Lab	LCS	3/18/2020	Metal	Arsenic	Dissolved	=	53.9	µg/L	EPA 200.8	0.074	0.4			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Arsenic	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Arsenic	Total	=	55.5	µg/L	EPA 200.8	0.074	0.4			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Arsenic	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Arsenic	Total	=	56	µg/L	EPA 200.8	0.074	0.4			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Arsenic	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Arsenic	Total	=	53.1	µg/L	EPA 200.8	0.074	0.4			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Arsenic	Total	=	54.9	µg/L	EPA 200.8	0.074	0.4			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Arsenic	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-3	Lab	LCS	3/18/2020	Metal	Arsenic	Total	=	53.9	µg/L	EPA 200.8	0.074	0.4			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Arsenic	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Barium	Total	=	75.7	µg/L	EPA 200.8	0.071	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Barium	Total	=	76	µg/L	EPA 200.8	0.071	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Barium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Barium	Total	=	67.1	µg/L	EPA 200.8	0.071	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Barium	Total	=	67.3	µg/L	EPA 200.8	0.071	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Barium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2019/20-3	Lab	LCS	3/18/2020	Metal	Barium	Total	=	49.1	µg/L	EPA 200.8	0.071	0.5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-3	Lab	LCS	3/18/2020	Metal	Beryllium	Dissolved	=	50.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Beryllium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Beryllium	Total	=	50.5	µg/L	EPA 200.8	0.033	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Beryllium	Total	=	51.5	µg/L	EPA 200.8	0.033	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Beryllium	Total	=	50.5	µg/L	EPA 200.8	0.033	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Beryllium	Total	=	52.2	µg/L	EPA 200.8	0.033	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Beryllium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	method blank	3/18/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-3	Lab	LCS	3/18/2020	Metal	Beryllium	Total	=	50.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-3	Lab	LCS	3/18/2020	Metal	Cadmium	Dissolved	=	52.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Cadmium	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Cadmium	Total	=	52.5	µg/L	EPA 200.8	0.041	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Cadmium	Total	=	52.4	µg/L	EPA 200.8	0.041	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Cadmium	Total	=	0.04	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Cadmium	Total	=	52	µg/L	EPA 200.8	0.041	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Cadmium	Total	=	53.3	µg/L	EPA 200.8	0.041	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Cadmium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-3	Lab	LCS	3/18/2020	Metal	Cadmium	Total	=	52.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-3	Lab	LCS	3/18/2020	Metal	Chromium	Dissolved	=	51.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Chromium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Chromium	Total	=	56.6	µg/L	EPA 200.8	0.035	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Chromium	Total	=	56	µg/L	EPA 200.8	0.035	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Chromium	Total	=	52.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Chromium	Total	=	53.9	µg/L	EPA 200.8	0.035	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-3	Lab	LCS	3/18/2020	Metal	Chromium	Total	=	51.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/12/2020	Metal	Chromium VI	n/a	=	12	µg/L	EPA 218.6	0.0079	0.02			
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Metal	Chromium VI	n/a	=	95	%	EPA 218.6	-88	-88	88	112	
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Metal	Chromium VI	n/a	=	11.8	µg/L	EPA 218.6	0.0079	0.02			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Metal	Chromium VI	n/a	=	92	%	EPA 218.6	-88	-88	88	112	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2019/20-3	Lab	method blank	3/12/2020	Metal	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02			
2019/20-3	Lab	LCS	3/12/2020	Metal	Chromium VI	n/a	=	4.69	µg/L	EPA 218.6	0.0079	0.02			
2019/20-3	Lab	LCS, rec	3/12/2020	Metal	Chromium VI	n/a	=	94	%	EPA 218.6	-88	-88	90	110	
2019/20-3	Lab	method blank	3/18/2020	Metal	Copper	Dissolved	DNQ	0.146	µg/L	EPA 200.8	0.13	0.5			IP
2019/20-3	Lab	LCS	3/18/2020	Metal	Copper	Dissolved	=	53.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Copper	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Copper	Total	=	65.1	µg/L	EPA 200.8	0.13	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Copper	Total	=	65.1	µg/L	EPA 200.8	0.13	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Copper	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Copper	Total	=	61.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Copper	Total	=	63.2	µg/L	EPA 200.8	0.13	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Copper	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Copper	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-3	Lab	LCS	3/18/2020	Metal	Copper	Total	=	53.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Copper	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/20/2020	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2019/20-3	Lab	LCS	3/20/2020	Metal	Iron	Dissolved	=	200	µg/L	EPA 200.7	1.1	10			
2019/20-3	Lab	LCS, rec	3/20/2020	Metal	Iron	Dissolved	=	100	%	EPA 200.7	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/20/2020	Metal	Iron	Total	=	1250	µg/L	EPA 200.7	1.1	10			
2019/20-3	000NONPJ	matrix spike, rec	3/20/2020	Metal	Iron	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/20/2020	Metal	Iron	Total	=	1280	µg/L	EPA 200.7	1.1	10			
2019/20-3	000NONPJ	matrix spike dup, rec	3/20/2020	Metal	Iron	Total	=	124	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/20/2020	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2019/20-3	Lab	method blank	3/20/2020	Metal	Iron	Total	DNQ	4	µg/L	EPA 200.7	1.1	10			IP
2019/20-3	Lab	LCS	3/20/2020	Metal	Iron	Total	=	200	µg/L	EPA 200.7	1.1	10			
2019/20-3	Lab	LCS, rec	3/20/2020	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Lead	Dissolved	DNQ	0.0314	µg/L	EPA 200.8	0.031	0.2			IP
2019/20-3	Lab	LCS	3/18/2020	Metal	Lead	Dissolved	=	51.5	µg/L	EPA 200.8	0.031	0.2			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Lead	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Lead	Total	=	54.4	µg/L	EPA 200.8	0.031	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Lead	Total	=	54.8	µg/L	EPA 200.8	0.031	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Lead	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Lead	Total	=	54.8	µg/L	EPA 200.8	0.031	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Lead	Total	=	56	µg/L	EPA 200.8	0.031	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Lead	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Lead	Total	DNQ	0.0498	µg/L	EPA 200.8	0.031	0.2			IP
2019/20-3	Lab	LCS	3/18/2020	Metal	Lead	Total	=	51.5	µg/L	EPA 200.8	0.031	0.2			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Lead	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/16/2020	Metal	Mercury	Dissolved	=	1030	ng/L	EPA 245.1	17	50			
2019/20-3	000NONPJ	matrix spike, rec	3/16/2020	Metal	Mercury	Dissolved	=	100	%	EPA 245.1	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/16/2020	Metal	Mercury	Dissolved	=	1040	ng/L	EPA 245.1	17	50			
2019/20-3	000NONPJ	matrix spike dup, rec	3/16/2020	Metal	Mercury	Dissolved	=	100	%	EPA 245.1	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/16/2020	Metal	Mercury	Dissolved	=	0.6	%	EPA 245.1	-88	-88	0	20	
2019/20-3	Lab	method blank	3/16/2020	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-3	Lab	LCS	3/16/2020	Metal	Mercury	Dissolved	=	981	ng/L	EPA 245.1	17	50			
2019/20-3	Lab	LCS, rec	3/16/2020	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	85	115	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	ME-CC	matrix spike	3/16/2020	Metal	Mercury	Dissolved	=	980	ng/L	EPA 245.1	17	50			
2019/20-3	ME-CC	matrix spike, rec	3/16/2020	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/16/2020	Metal	Mercury	Dissolved	=	978	ng/L	EPA 245.1	17	50			
2019/20-3	ME-CC	matrix spike dup, rec	3/16/2020	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/16/2020	Metal	Mercury	Dissolved	=	0.2	%	EPA 245.1	-88	-88	0	20	
2019/20-3	000NONPJ	matrix spike	3/16/2020	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2019/20-3	000NONPJ	matrix spike, rec	3/16/2020	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/16/2020	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2019/20-3	000NONPJ	matrix spike dup, rec	3/16/2020	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/16/2020	Metal	Mercury	Total	=	0.6	%	EPA 245.1	-88	-88	0	20	
2019/20-3	Lab	method blank	3/16/2020	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-3	Lab	LCS	3/16/2020	Metal	Mercury	Total	=	981	ng/L	EPA 245.1	17	50			
2019/20-3	Lab	LCS, rec	3/16/2020	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	85	115	
2019/20-3	ME-CC	matrix spike	3/16/2020	Metal	Mercury	Total	=	980	ng/L	EPA 245.1	17	50			
2019/20-3	ME-CC	matrix spike, rec	3/16/2020	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/16/2020	Metal	Mercury	Total	=	978	ng/L	EPA 245.1	17	50			
2019/20-3	ME-CC	matrix spike dup, rec	3/16/2020	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/16/2020	Metal	Mercury	Total	=	0.2	%	EPA 245.1	-88	-88	0	20	
2019/20-3	Lab	method blank	3/18/2020	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-3	Lab	LCS	3/18/2020	Metal	Nickel	Dissolved	=	53	µg/L	EPA 200.8	0.045	0.8			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Nickel	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Nickel	Total	=	57.8	µg/L	EPA 200.8	0.045	0.8			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Nickel	Total	=	57.5	µg/L	EPA 200.8	0.045	0.8			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Nickel	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Nickel	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Nickel	Total	=	53.7	µg/L	EPA 200.8	0.045	0.8			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Nickel	Total	=	56.1	µg/L	EPA 200.8	0.045	0.8			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Nickel	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Nickel	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-3	Lab	LCS	3/18/2020	Metal	Nickel	Total	=	53	µg/L	EPA 200.8	0.045	0.8			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Nickel	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-3	Lab	LCS	3/18/2020	Metal	Selenium	Dissolved	=	53.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Selenium	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Selenium	Total	=	53.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Selenium	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Selenium	Total	=	51.1	µg/L	EPA 200.8	0.14	0.4			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Selenium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Selenium	Total	=	51.5	µg/L	EPA 200.8	0.14	0.4			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Selenium	Total	=	53	µg/L	EPA 200.8	0.14	0.4			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Selenium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	method blank	3/18/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-3	Lab	LCS	3/18/2020	Metal	Selenium	Total	=	53.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Selenium	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-3	Lab	LCS	3/18/2020	Metal	Silver	Dissolved	=	49.8	µg/L	EPA 200.8	0.062	0.2			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Silver	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Silver	Total	=	51.3	µg/L	EPA 200.8	0.062	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Silver	Total	=	51.4	µg/L	EPA 200.8	0.062	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Silver	Total	=	0.04	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Silver	Total	=	50.4	µg/L	EPA 200.8	0.062	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Silver	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Silver	Total	=	51.7	µg/L	EPA 200.8	0.062	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Silver	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Silver	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-3	Lab	LCS	3/18/2020	Metal	Silver	Total	=	49.8	µg/L	EPA 200.8	0.062	0.2			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Silver	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-3	Lab	LCS	3/18/2020	Metal	Thallium	Dissolved	=	52.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Thallium	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Thallium	Total	=	52.2	µg/L	EPA 200.8	0.014	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Thallium	Total	=	53	µg/L	EPA 200.8	0.014	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Thallium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Thallium	Total	=	52.7	µg/L	EPA 200.8	0.014	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Thallium	Total	=	53.3	µg/L	EPA 200.8	0.014	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Thallium	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-3	Lab	LCS	3/18/2020	Metal	Thallium	Total	=	52.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-3	Lab	method blank	3/18/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-3	Lab	LCS	3/18/2020	Metal	Zinc	Dissolved	=	54.3	µg/L	EPA 200.8	0.94	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Zinc	Dissolved	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Zinc	Total	=	202	µg/L	EPA 200.8	0.94	5			
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Zinc	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Zinc	Total	=	202	µg/L	EPA 200.8	0.94	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Zinc	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/18/2020	Metal	Zinc	Total	=	564	µg/L	EPA 200.8	0.94	5			GB
2019/20-3	000NONPJ	matrix spike, rec	3/18/2020	Metal	Zinc	Total	=	65	%	EPA 200.8	-88	-88	70	130	GB
2019/20-3	000NONPJ	matrix spike dup	3/18/2020	Metal	Zinc	Total	=	576	µg/L	EPA 200.8	0.94	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/18/2020	Metal	Zinc	Total	=	90	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike, RPD	3/18/2020	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-3	Lab	LCS	3/18/2020	Metal	Zinc	Total	=	54.3	µg/L	EPA 200.8	0.94	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Metal	Zinc	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/17/2020	Nutrient	Ammonia as N	n/a	=	0.714	mg/L	EPA 350.1	0.012	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/17/2020	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/17/2020	Nutrient	Ammonia as N	n/a	=	0.721	mg/L	EPA 350.1	0.012	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/17/2020	Nutrient	Ammonia as N	n/a	=	108	%	EPA 350.1	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/17/2020	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2019/20-3	000NONPJ	matrix spike	3/17/2020	Nutrient	Ammonia as N	n/a	=	0.642	mg/L	EPA 350.1	0.012	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/17/2020	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/17/2020	Nutrient	Ammonia as N	n/a	=	0.657	mg/L	EPA 350.1	0.012	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/17/2020	Nutrient	Ammonia as N	n/a	=	106	%	EPA 350.1	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/17/2020	Nutrient	Ammonia as N	n/a	=	2	%	EPA 350.1	-88	-88	0	15	
2019/20-3	Lab	method blank	3/17/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-3	Lab	LCS	3/17/2020	Nutrient	Ammonia as N	n/a	=	0.243	mg/L	EPA 350.1	0.012	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2019/20-3	Lab	method blank	3/17/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-3	Lab	LCS	3/17/2020	Nutrient	Ammonia as N	n/a	=	0.232	mg/L	EPA 350.1	0.012	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Nutrient	Ammonia as N	n/a	=	93	%	EPA 350.1	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	8.04	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	8.04	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-3	000NONPJ	matrix spike	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	2.71	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	2.71	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-3	Lab	method blank	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	Lab	LCS	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0.979	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	Lab	LCS, rec	3/12/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike	3/12/2020	Nutrient	Nitrate as N	n/a	=	8.04	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Nutrient	Nitrate as N	n/a	=	8.04	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-3	000NONPJ	matrix spike	3/12/2020	Nutrient	Nitrate as N	n/a	=	2.71	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Nutrient	Nitrate as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Nutrient	Nitrate as N	n/a	=	2.71	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Nutrient	Nitrate as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-3	Lab	method blank	3/12/2020	Nutrient	Nitrate as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	Lab	LCS	3/12/2020	Nutrient	Nitrate as N	n/a	=	0.979	mg/L	EPA 353.2	0.08	0.2			
2019/20-3	Lab	LCS, rec	3/12/2020	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike	3/20/2020	Nutrient	Phosphorus as P	Dissolved	=	1.42	mg/L	EPA 200.7	0.012	0.02			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike, rec	3/20/2020	Nutrient	Phosphorus as P	Dissolved	=	121	%	EPA 200.7	-88	-88	70	130	
2019/20-3	Lab	method blank	3/20/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-3	Lab	LCS	3/20/2020	Nutrient	Phosphorus as P	Dissolved	=	1.11	mg/L	EPA 200.7	0.012	0.02			
2019/20-3	Lab	LCS, rec	3/20/2020	Nutrient	Phosphorus as P	Dissolved	=	111	%	EPA 200.7	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/20/2020	Nutrient	Phosphorus as P	Total	=	1.42	mg/L	EPA 200.7	0.012	0.02			
2019/20-3	000NONPJ	matrix spike, rec	3/20/2020	Nutrient	Phosphorus as P	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike dup	3/20/2020	Nutrient	Phosphorus as P	Total	=	1.48	mg/L	EPA 200.7	0.012	0.02			
2019/20-3	000NONPJ	matrix spike dup, rec	3/20/2020	Nutrient	Phosphorus as P	Total	=	116	%	EPA 200.7	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike, RPD	3/20/2020	Nutrient	Phosphorus as P	Total	=	4	%	EPA 200.7	-88	-88	0	30	
2019/20-3	Lab	method blank	3/20/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-3	Lab	LCS	3/20/2020	Nutrient	Phosphorus as P	Total	=	1.11	mg/L	EPA 200.7	0.012	0.02			
2019/20-3	Lab	LCS, rec	3/20/2020	Nutrient	Phosphorus as P	Total	=	111	%	EPA 200.7	-88	-88	85	115	
2019/20-3	000NONPJ	matrix spike	3/16/2020	Nutrient	TKN	n/a	=	1.13	mg/L	EPA 351.2	0.018	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/16/2020	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/16/2020	Nutrient	TKN	n/a	=	1.06	mg/L	EPA 351.2	0.018	0.1			GB
2019/20-3	000NONPJ	matrix spike dup, rec	3/16/2020	Nutrient	TKN	n/a	=	87	%	EPA 351.2	-88	-88	90	110	GB
2019/20-3	000NONPJ	matrix spike, RPD	3/16/2020	Nutrient	TKN	n/a	=	6	%	EPA 351.2	-88	-88	0	10	
2019/20-3	000NONPJ	matrix spike	3/16/2020	Nutrient	TKN	n/a	=	1.19	mg/L	EPA 351.2	0.018	0.1			
2019/20-3	000NONPJ	matrix spike, rec	3/16/2020	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike dup	3/16/2020	Nutrient	TKN	n/a	=	1.17	mg/L	EPA 351.2	0.018	0.1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/16/2020	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2019/20-3	000NONPJ	matrix spike, RPD	3/16/2020	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2019/20-3	Lab	method blank	3/16/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-3	Lab	LCS	3/16/2020	Nutrient	TKN	n/a	=	1.06	mg/L	EPA 351.2	0.018	0.1			
2019/20-3	Lab	LCS, rec	3/16/2020	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2019/20-3	Lab	method blank	3/16/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-3	Lab	LCS	3/16/2020	Nutrient	TKN	n/a	=	1.06	mg/L	EPA 351.2	0.018	0.1			
2019/20-3	Lab	LCS, rec	3/16/2020	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2019/20-3	Lab	method blank	3/18/2020	Organic	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	19	µg/L	EPA 625.1	0.49	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	76	%	EPA 625.1	-88	-88	57	130	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	20.3	µg/L	EPA 625.1	0.49	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	81	%	EPA 625.1	-88	-88	57	130	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	1,2-Dichlorobenzene	n/a	=	18.3	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	1,2-Dichlorobenzene	n/a	=	73	%	EPA 625.1	-88	-88	57	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	1,2-Dichlorobenzene	n/a	=	19.8	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	1,2-Dichlorobenzene	n/a	=	79	%	EPA 625.1	-88	-88	57	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	1,2-Dichlorobenzene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	srgt LCS	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	61	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	122	%	EPA 624	-88	-88	82	125	
2019/20-3	Lab	srgt LCS dup	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	58.2	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	116	%	EPA 624	-88	-88	82	125	
2019/20-3	Lab	srgt method blank	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	60.1	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	120	%	EPA 624	-88	-88	82	125	
2019/20-3	ME-CC	srgt environ	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	60.6	µg/L	EPA 624	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	ME-CC	srgt environ, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	121	%	EPA 624	-88	-88	82	125	
2019/20-3	ME-CC	srgt matrix spike	3/12/2020	Organic	1,2-Dichloroethane-d4	n/a	=	59.5	µg/L	EPA 624	-88	-88			
2019/20-3	ME-CC	srgt matrix spike, rec	3/12/2020	Organic	1,2-Dichloroethane-d4	n/a	=	119	%	EPA 624	-88	-88	82	125	
2019/20-3	ME-CC	srgt matrix spike dup	3/12/2020	Organic	1,2-Dichloroethane-d4	n/a	=	60.3	µg/L	EPA 624	-88	-88			
2019/20-3	ME-CC	srgt matrix spike dup, rec	3/12/2020	Organic	1,2-Dichloroethane-d4	n/a	=	121	%	EPA 624	-88	-88	82	125	
2019/20-3	MO-FIL	srgt environ	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	63.1	µg/L	EPA 624	-88	-88			GN
2019/20-3	MO-FIL	srgt environ, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	126	%	EPA 624	-88	-88	82	125	GN
2019/20-3	MO-OXN	srgt environ	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	61.6	µg/L	EPA 624	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	123	%	EPA 624	-88	-88	82	125	
2019/20-3	MO-SIM	srgt environ	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	62.6	µg/L	EPA 624	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	125	%	EPA 624	-88	-88	82	125	
2019/20-3	MO-SPA	srgt environ	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	61.2	µg/L	EPA 624	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	122	%	EPA 624	-88	-88	82	125	
2019/20-3	MO-VEN	srgt environ	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	61.4	µg/L	EPA 624	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/11/2020	Organic	1,2-Dichloroethane-d4	n/a	=	123	%	EPA 624	-88	-88	82	125	
2019/20-3	Lab	method blank	3/18/2020	Organic	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-3	Lab	method blank	3/18/2020	Organic	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	1,3-Dichlorobenzene	n/a	=	16.9	µg/L	EPA 625.1	0.42	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	1,3-Dichlorobenzene	n/a	=	68	%	EPA 625.1	-88	-88	55	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	1,3-Dichlorobenzene	n/a	=	18.5	µg/L	EPA 625.1	0.42	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	1,3-Dichlorobenzene	n/a	=	74	%	EPA 625.1	-88	-88	55	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	1,3-Dichlorobenzene	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	srgt method blank	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	srgt LCS	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.99	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	srgt LCS dup	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.21	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	srgt method blank	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.515	µg/L	EPA 525.2m	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	Lab	srgt LCS	3/25/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.425	µg/L	EPA 525.2m	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/25/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	Lab	srgt method blank	3/31/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.573	µg/L	EPA 525.2m	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/31/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	115	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	Lab	srgt LCS	3/31/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.503	µg/L	EPA 525.2m	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/31/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	ME-CC	srgt environ	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	10.9	µg/L	EPA 525.2	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-3	ME-CC	srgt environ	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.38	µg/L	EPA 525.2m	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-FIL	srgt environ	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	52.8	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-FIL	srgt environ	3/25/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.2	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/25/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-OXN	srgt environ	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	52.4	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-OXN	srgt environ	3/25/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.26	µg/L	EPA 525.2m	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	MO-OXN	srgt environ, rec	3/25/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-SIM	srgt environ	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	53.2	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-SIM	srgt environ	3/25/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.25	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/25/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-SPA	srgt environ	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-SPA	srgt environ	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.24	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-VEN	srgt environ	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	51.9	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/19/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-VEN	srgt matrix spike	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	21.4	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt matrix spike, rec	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-VEN	srgt matrix spike dup	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	23.9	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt matrix spike dup, rec	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-VEN	srgt environ	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	23.4	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/24/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-VEN	srgt matrix spike	4/1/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	23.6	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt matrix spike, rec	4/1/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	MO-VEN	srgt matrix spike dup	4/1/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	26	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt matrix spike dup, rec	4/1/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2019/20-3	Lab	method blank	3/18/2020	Organic	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	1,4-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625.1	0.48	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	1,4-Dichlorobenzene	n/a	=	68	%	EPA 625.1	-88	-88	55	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	1,4-Dichlorobenzene	n/a	=	18.6	µg/L	EPA 625.1	0.48	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	1,4-Dichlorobenzene	n/a	=	74	%	EPA 625.1	-88	-88	55	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	1,4-Dichlorobenzene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	method blank	3/17/2020	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2019/20-3	Lab	srgt method blank	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	2.87	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	29	%	EPA 8270C	-88	-88	26	117	
2019/20-3	Lab	srgt LCS	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	5.78	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	58	%	EPA 8270C	-88	-88	26	117	
2019/20-3	Lab	srgt LCS dup	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.91	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2019/20-3	Lab	srgt method blank	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	4.41	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	44	%	EPA 625.1	-88	-88	25	120	
2019/20-3	Lab	srgt LCS	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	39.1	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 625.1	-88	-88	25	120	
2019/20-3	Lab	srgt LCS dup	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	42.9	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625.1	-88	-88	25	120	
2019/20-3	ME-CC	srgt environ	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	5.24	µg/L	EPA 8270C	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	52	%	EPA 8270C	-88	-88	26	117	
2019/20-3	ME-CC	srgt environ	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	5.53	µg/L	EPA 625.1	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	55	%	EPA 625.1	-88	-88	25	120	
2019/20-3	MO-FIL	srgt environ	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.03	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270C	-88	-88	26	117	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	MO-FIL	srgt environ	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.76	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625.1	-88	-88	25	120	
2019/20-3	MO-OXN	srgt environ	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	60.3	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 8270C	-88	-88	26	117	
2019/20-3	MO-OXN	srgt environ	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	65.5	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625.1	-88	-88	25	120	
2019/20-3	MO-SIM	srgt environ	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.06	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 8270C	-88	-88	26	117	
2019/20-3	MO-SIM	srgt environ	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.12	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625.1	-88	-88	25	120	
2019/20-3	MO-VEN	srgt environ	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	60.7	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/17/2020	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 8270C	-88	-88	26	117	
2019/20-3	MO-VEN	srgt environ	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	65.5	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/18/2020	Organic	2,4,6-Tribromophenol	n/a	=	66	%	EPA 625.1	-88	-88	25	120	
2019/20-3	Lab	method blank	3/17/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-3	Lab	LCS	3/17/2020	Organic	2,4,6-Trichlorophenol	n/a	=	6.77	µg/L	EPA 8270C	0.3	1			IL
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	2,4,6-Trichlorophenol	n/a	=	68	%	EPA 8270C	-88	-88	30	115	IL
2019/20-3	Lab	LCS dup	3/17/2020	Organic	2,4,6-Trichlorophenol	n/a	=	9.48	µg/L	EPA 8270C	0.3	1			IL
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	2,4,6-Trichlorophenol	n/a	=	95	%	EPA 8270C	-88	-88	30	115	IL
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	2,4,6-Trichlorophenol	n/a	=	33	%	EPA 8270C	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/18/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	2,4,6-Trichlorophenol	n/a	=	18.5	µg/L	EPA 625.1	0.22	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 625.1	-88	-88	52	129	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2,4,6-Trichlorophenol	n/a	=	20.7	µg/L	EPA 625.1	0.22	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2,4,6-Trichlorophenol	n/a	=	83	%	EPA 625.1	-88	-88	52	129	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2,4,6-Trichlorophenol	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2019/20-3	Lab	LCS	3/17/2020	Organic	2,4-Dichlorophenol	n/a	=	6.09	µg/L	EPA 8270C	0.51	1			IL
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	2,4-Dichlorophenol	n/a	=	61	%	EPA 8270C	-88	-88	32	105	IL
2019/20-3	Lab	LCS dup	3/17/2020	Organic	2,4-Dichlorophenol	n/a	=	8.46	µg/L	EPA 8270C	0.51	1			IL
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	2,4-Dichlorophenol	n/a	=	85	%	EPA 8270C	-88	-88	32	105	IL
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	2,4-Dichlorophenol	n/a	=	33	%	EPA 8270C	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/18/2020	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	2,4-Dichlorophenol	n/a	=	19.6	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 625.1	-88	-88	53	122	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2,4-Dichlorophenol	n/a	=	21.4	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2,4-Dichlorophenol	n/a	=	85	%	EPA 625.1	-88	-88	53	122	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2,4-Dichlorophenol	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	srgt method blank	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.39	µg/L	EPA 515.4	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-3	Lab	srgt LCS	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.4	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	srgt matrix spike	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.4	-88	-88			
2019/20-3	ME-CC	srgt matrix spike, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	srgt matrix spike dup	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.4	-88	-88			
2019/20-3	ME-CC	srgt matrix spike dup, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	srgt environ	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.49	µg/L	EPA 515.4	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	ME-CC	srgt environ, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-3	MO-FIL	srgt environ	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.4	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-3	MO-OXN	srgt environ	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.4	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-3	MO-SIM	srgt environ	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.3	µg/L	EPA 515.4	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-3	MO-SPA	srgt environ	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.4	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.4	-88	-88	70	130	
2019/20-3	MO-VEN	srgt environ	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.71	µg/L	EPA 515.4	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/17/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-3	Lab	method blank	3/17/2020	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-3	Lab	LCS	3/17/2020	Organic	2,4-Dimethylphenol	n/a	=	6.22	µg/L	EPA 8270C	1	2			IL
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	2,4-Dimethylphenol	n/a	=	62	%	EPA 8270C	-88	-88	31	97	IL
2019/20-3	Lab	LCS dup	3/17/2020	Organic	2,4-Dimethylphenol	n/a	=	8.59	µg/L	EPA 8270C	1	2			IL
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	2,4-Dimethylphenol	n/a	=	86	%	EPA 8270C	-88	-88	31	97	IL
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	2,4-Dimethylphenol	n/a	=	32	%	EPA 8270C	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/18/2020	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	2,4-Dimethylphenol	n/a	=	16.8	µg/L	EPA 625.1	0.3	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2,4-Dimethylphenol	n/a	=	67	%	EPA 625.1	-88	-88	42	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2,4-Dimethylphenol	n/a	=	13.5	µg/L	EPA 625.1	0.3	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2,4-Dimethylphenol	n/a	=	54	%	EPA 625.1	-88	-88	42	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2,4-Dimethylphenol	n/a	=	22	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-3	Lab	LCS	3/17/2020	Organic	2,4-Dinitrophenol	n/a	=	8.87	µg/L	EPA 8270C	1	2			IL
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	2,4-Dinitrophenol	n/a	=	89	%	EPA 8270C	-88	-88	7	155	IL
2019/20-3	Lab	LCS dup	3/17/2020	Organic	2,4-Dinitrophenol	n/a	=	12.4	µg/L	EPA 8270C	1	2			IL
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	2,4-Dinitrophenol	n/a	=	124	%	EPA 8270C	-88	-88	7	155	IL
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	2,4-Dinitrophenol	n/a	=	33	%	EPA 8270C	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/18/2020	Organic	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10			
2019/20-3	Lab	LCS	3/18/2020	Organic	2,4-Dinitrophenol	n/a	=	31.5	µg/L	EPA 625.1	1.9	10			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2,4-Dinitrophenol	n/a	=	126	%	EPA 625.1	-88	-88	0.1	173	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2,4-Dinitrophenol	n/a	=	35.3	µg/L	EPA 625.1	1.9	10			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2,4-Dinitrophenol	n/a	=	141	%	EPA 625.1	-88	-88	0.1	173	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2,4-Dinitrophenol	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	2,4-Dinitrotoluene	n/a	=	21.3	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2,4-Dinitrotoluene	n/a	=	85	%	EPA 625.1	-88	-88	48	127	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2,4-Dinitrotoluene	n/a	=	23.2	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2,4-Dinitrotoluene	n/a	=	93	%	EPA 625.1	-88	-88	48	127	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2,4-Dinitrotoluene	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	2,6-Dinitrotoluene	n/a	=	17	µg/L	EPA 625.1	0.27	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2,6-Dinitrotoluene	n/a	=	68	%	EPA 625.1	-88	-88	68	137	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2,6-Dinitrotoluene	n/a	=	18.7	µg/L	EPA 625.1	0.27	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2,6-Dinitrotoluene	n/a	=	75	%	EPA 625.1	-88	-88	68	137	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2,6-Dinitrotoluene	n/a	=	10	%	EPA 625.1	-88	-88	0	30	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS	3/11/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	48	µg/L	EPA 624	0.19	1			
2019/20-3	Lab	LCS, rec	3/11/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	96	%	EPA 624	-88	-88	0.1	305	
2019/20-3	Lab	LCS dup	3/11/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	47.2	µg/L	EPA 624	0.19	1			
2019/20-3	Lab	LCS dup, rec	3/11/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	94	%	EPA 624	-88	-88	0.1	305	
2019/20-3	Lab	LCS, RPD	3/11/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2019/20-3	Lab	method blank	3/11/2020	Organic	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1			
2019/20-3	ME-CC	matrix spike	3/12/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	42.5	µg/L	EPA 624	0.19	1			
2019/20-3	ME-CC	matrix spike, rec	3/12/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	85	%	EPA 624	-88	-88	0.1	305	
2019/20-3	ME-CC	matrix spike dup	3/12/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	43.4	µg/L	EPA 624	0.19	1			
2019/20-3	ME-CC	matrix spike dup, rec	3/12/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	87	%	EPA 624	-88	-88	0.1	305	
2019/20-3	ME-CC	matrix spike, RPD	3/12/2020	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2019/20-3	Lab	method blank	3/18/2020	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	2-Chloronaphthalene	n/a	=	18.3	µg/L	EPA 625.1	0.45	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2-Chloronaphthalene	n/a	=	73	%	EPA 625.1	-88	-88	65	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2-Chloronaphthalene	n/a	=	20.3	µg/L	EPA 625.1	0.45	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2-Chloronaphthalene	n/a	=	81	%	EPA 625.1	-88	-88	65	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2-Chloronaphthalene	n/a	=	10	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2019/20-3	Lab	LCS	3/17/2020	Organic	2-Chlorophenol	n/a	=	6.04	µg/L	EPA 8270C	0.65	1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	2-Chlorophenol	n/a	=	60	%	EPA 8270C	-88	-88	27	90	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	2-Chlorophenol	n/a	=	8.05	µg/L	EPA 8270C	0.65	1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	2-Chlorophenol	n/a	=	80	%	EPA 8270C	-88	-88	27	90	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	2-Chlorophenol	n/a	=	28	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	2-Chlorophenol	n/a	=	17.1	µg/L	EPA 625.1	0.28	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2-Chlorophenol	n/a	=	68	%	EPA 625.1	-88	-88	36	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2-Chlorophenol	n/a	=	19.1	µg/L	EPA 625.1	0.28	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2-Chlorophenol	n/a	=	76	%	EPA 625.1	-88	-88	36	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2-Chlorophenol	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	srgt method blank	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	2.53	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 8270C	-88	-88	51	139	
2019/20-3	Lab	srgt LCS	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	2.9	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 8270C	-88	-88	51	139	
2019/20-3	Lab	srgt LCS dup	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	3.93	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 8270C	-88	-88	51	139	
2019/20-3	Lab	srgt method blank	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	2.39	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	48	%	EPA 625.1	-88	-88	22	120	
2019/20-3	Lab	srgt LCS	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	18.2	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625.1	-88	-88	22	120	
2019/20-3	Lab	srgt LCS dup	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	19.5	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625.1	-88	-88	22	120	
2019/20-3	ME-CC	srgt environ	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	2.63	µg/L	EPA 8270C	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2019/20-3	ME-CC	srgt environ	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	2.49	µg/L	EPA 625.1	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	50	%	EPA 625.1	-88	-88	22	120	
2019/20-3	MO-FIL	srgt environ	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	3.66	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270C	-88	-88	51	139	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	MO-FIL	srgt environ	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	3.57	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625.1	-88	-88	22	120	
2019/20-3	MO-OXN	srgt environ	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	27	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	54	%	EPA 8270C	-88	-88	51	139	
2019/20-3	MO-OXN	srgt environ	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	26.1	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	52	%	EPA 625.1	-88	-88	22	120	
2019/20-3	MO-SIM	srgt environ	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	3.13	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	
2019/20-3	MO-SIM	srgt environ	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	3.03	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625.1	-88	-88	22	120	
2019/20-3	MO-VEN	srgt environ	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	30	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/17/2020	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 8270C	-88	-88	51	139	
2019/20-3	MO-VEN	srgt environ	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	29.3	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/18/2020	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625.1	-88	-88	22	120	
2019/20-3	Lab	srgt method blank	3/17/2020	Organic	2-Fluorophenol	n/a	=	3.35	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/17/2020	Organic	2-Fluorophenol	n/a	=	33	%	EPA 8270C	-88	-88	11	62	
2019/20-3	Lab	srgt LCS	3/17/2020	Organic	2-Fluorophenol	n/a	=	3.68	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/17/2020	Organic	2-Fluorophenol	n/a	=	37	%	EPA 8270C	-88	-88	11	62	
2019/20-3	Lab	srgt LCS dup	3/17/2020	Organic	2-Fluorophenol	n/a	=	4.89	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/17/2020	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270C	-88	-88	11	62	
2019/20-3	Lab	srgt method blank	3/18/2020	Organic	2-Fluorophenol	n/a	=	4.32	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/18/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625.1	-88	-88	17	120	
2019/20-3	Lab	srgt LCS	3/18/2020	Organic	2-Fluorophenol	n/a	=	25.1	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/18/2020	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625.1	-88	-88	17	120	
2019/20-3	Lab	srgt LCS dup	3/18/2020	Organic	2-Fluorophenol	n/a	=	27.2	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/18/2020	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625.1	-88	-88	17	120	
2019/20-3	ME-CC	srgt environ	3/17/2020	Organic	2-Fluorophenol	n/a	=	3.55	µg/L	EPA 8270C	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/17/2020	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	
2019/20-3	ME-CC	srgt environ	3/18/2020	Organic	2-Fluorophenol	n/a	=	4.37	µg/L	EPA 625.1	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/18/2020	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625.1	-88	-88	17	120	
2019/20-3	MO-FIL	srgt environ	3/17/2020	Organic	2-Fluorophenol	n/a	=	4.89	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/17/2020	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270C	-88	-88	11	62	
2019/20-3	MO-FIL	srgt environ	3/18/2020	Organic	2-Fluorophenol	n/a	=	5.89	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/18/2020	Organic	2-Fluorophenol	n/a	=	59	%	EPA 625.1	-88	-88	17	120	
2019/20-3	MO-OXN	srgt environ	3/17/2020	Organic	2-Fluorophenol	n/a	=	35.8	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/17/2020	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	
2019/20-3	MO-OXN	srgt environ	3/18/2020	Organic	2-Fluorophenol	n/a	=	42.7	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/18/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625.1	-88	-88	17	120	
2019/20-3	MO-SIM	srgt environ	3/17/2020	Organic	2-Fluorophenol	n/a	=	3.72	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/17/2020	Organic	2-Fluorophenol	n/a	=	37	%	EPA 8270C	-88	-88	11	62	
2019/20-3	MO-SIM	srgt environ	3/18/2020	Organic	2-Fluorophenol	n/a	=	4.47	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/18/2020	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625.1	-88	-88	17	120	
2019/20-3	MO-VEN	srgt environ	3/17/2020	Organic	2-Fluorophenol	n/a	=	40.9	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/17/2020	Organic	2-Fluorophenol	n/a	=	41	%	EPA 8270C	-88	-88	11	62	
2019/20-3	MO-VEN	srgt environ	3/18/2020	Organic	2-Fluorophenol	n/a	=	51.2	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/18/2020	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625.1	-88	-88	17	120	
2019/20-3	Lab	method blank	3/17/2020	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	method blank	3/17/2020	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2019/20-3	Lab	method blank	3/17/2020	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2019/20-3	Lab	LCS	3/17/2020	Organic	2-Nitrophenol	n/a	=	5.68	µg/L	EPA 8270C	0.71	1			IL
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	2-Nitrophenol	n/a	=	57	%	EPA 8270C	-88	-88	33	103	IL
2019/20-3	Lab	LCS dup	3/17/2020	Organic	2-Nitrophenol	n/a	=	8.12	µg/L	EPA 8270C	0.71	1			IL
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	2-Nitrophenol	n/a	=	81	%	EPA 8270C	-88	-88	33	103	IL
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	2-Nitrophenol	n/a	=	35	%	EPA 8270C	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/18/2020	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	2-Nitrophenol	n/a	=	18.8	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	2-Nitrophenol	n/a	=	75	%	EPA 625.1	-88	-88	45	167	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	2-Nitrophenol	n/a	=	20.7	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	2-Nitrophenol	n/a	=	83	%	EPA 625.1	-88	-88	45	167	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	2-Nitrophenol	n/a	=	10	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5			
2019/20-3	Lab	LCS	3/18/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	17.2	µg/L	EPA 625.1	0.99	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	69	%	EPA 625.1	-88	-88	8	213	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	19.6	µg/L	EPA 625.1	0.99	5			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	79	%	EPA 625.1	-88	-88	8	213	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	13	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-3	Lab	method blank	3/17/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2019/20-3	Lab	LCS	3/17/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7.42	µg/L	EPA 8270C	0.14	1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	74	%	EPA 8270C	-88	-88	33	118	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.62	µg/L	EPA 8270C	0.14	1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	96	%	EPA 8270C	-88	-88	33	118	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5			
2019/20-3	Lab	LCS	3/18/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26.6	µg/L	EPA 625.1	1.4	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	106	%	EPA 625.1	-88	-88	53	130	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	29.4	µg/L	EPA 625.1	1.4	5			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	117	%	EPA 625.1	-88	-88	53	130	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	10	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	srgt LCS	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2019/20-3	Lab	srgt LCS dup	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	47.9	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2019/20-3	Lab	srgt method blank	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	45.8	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2019/20-3	Lab	srgt LCS	3/16/2020	Organic	4-Bromofluorobenzene	n/a	=	52.5	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/16/2020	Organic	4-Bromofluorobenzene	n/a	=	105	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	Lab	srgt LCS dup	3/16/2020	Organic	4-Bromofluorobenzene	n/a	=	52.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/16/2020	Organic	4-Bromofluorobenzene	n/a	=	105	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	Lab	srgt method blank	3/16/2020	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/16/2020	Organic	4-Bromofluorobenzene	n/a	=	93	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	ME-CC	srgt environ	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	47.1	µg/L	EPA 624	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2019/20-3	ME-CC	srgt matrix spike	3/12/2020	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	EPA 624	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	ME-CC	srgt matrix spike, rec	3/12/2020	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2019/20-3	ME-CC	srgt matrix spike dup	3/12/2020	Organic	4-Bromofluorobenzene	n/a	=	47.9	µg/L	EPA 624	-88	-88			
2019/20-3	ME-CC	srgt matrix spike dup, rec	3/12/2020	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2019/20-3	ME-CC	srgt environ	3/16/2020	Organic	4-Bromofluorobenzene	n/a	=	46.8	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/16/2020	Organic	4-Bromofluorobenzene	n/a	=	94	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	MO-FIL	srgt environ	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	44.6	µg/L	EPA 624	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	89	%	EPA 624	-88	-88	88	108	
2019/20-3	MO-FIL	srgt environ	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	46.8	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	94	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	MO-OXN	srgt environ	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	45.4	µg/L	EPA 624	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	91	%	EPA 624	-88	-88	88	108	
2019/20-3	MO-OXN	srgt environ	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	47.3	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	95	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	MO-SIM	srgt environ	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 624	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2019/20-3	MO-SIM	srgt environ	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	46.3	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	93	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	MO-SPA	srgt environ	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	EPA 624	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2019/20-3	MO-SPA	srgt environ	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	46.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	93	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	MO-VEN	srgt environ	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	45.8	µg/L	EPA 624	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/11/2020	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2019/20-3	MO-VEN	srgt environ	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	47.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/17/2020	Organic	4-Bromofluorobenzene	n/a	=	95	%	LUFT GC/MS	-88	-88	83	110	
2019/20-3	Lab	method blank	3/18/2020	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	21.7	µg/L	EPA 625.1	0.36	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	87	%	EPA 625.1	-88	-88	65	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	23.4	µg/L	EPA 625.1	0.36	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	94	%	EPA 625.1	-88	-88	65	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2019/20-3	Lab	LCS	3/17/2020	Organic	4-Chloro-3-methylphenol	n/a	=	6.45	µg/L	EPA 8270C	0.37	1			IL
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	4-Chloro-3-methylphenol	n/a	=	65	%	EPA 8270C	-88	-88	29	108	IL
2019/20-3	Lab	LCS dup	3/17/2020	Organic	4-Chloro-3-methylphenol	n/a	=	9.07	µg/L	EPA 8270C	0.37	1			IL
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	4-Chloro-3-methylphenol	n/a	=	91	%	EPA 8270C	-88	-88	29	108	IL
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	4-Chloro-3-methylphenol	n/a	=	34	%	EPA 8270C	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/18/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	4-Chloro-3-methylphenol	n/a	=	17.9	µg/L	EPA 625.1	0.23	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	4-Chloro-3-methylphenol	n/a	=	72	%	EPA 625.1	-88	-88	41	128	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	4-Chloro-3-methylphenol	n/a	=	20	µg/L	EPA 625.1	0.23	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	4-Chloro-3-methylphenol	n/a	=	80	%	EPA 625.1	-88	-88	41	128	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	4-Chloro-3-methylphenol	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.9	µg/L	EPA 625.1	0.41	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	80	%	EPA 625.1	-88	-88	38	145	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.3	µg/L	EPA 625.1	0.41	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	85	%	EPA 625.1	-88	-88	38	145	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-3	Lab	LCS	3/17/2020	Organic	4-Nitrophenol	n/a	=	3.28	µg/L	EPA 8270C	1	2			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	4-Nitrophenol	n/a	=	33	%	EPA 8270C	-88	-88	6	46	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	4-Nitrophenol	n/a	=	4.38	µg/L	EPA 8270C	1	2			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	4-Nitrophenol	n/a	=	44	%	EPA 8270C	-88	-88	6	46	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	4-Nitrophenol	n/a	=	29	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5			
2019/20-3	Lab	LCS	3/18/2020	Organic	4-Nitrophenol	n/a	=	12.3	µg/L	EPA 625.1	1.2	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	4-Nitrophenol	n/a	=	49	%	EPA 625.1	-88	-88	13	129	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	4-Nitrophenol	n/a	=	13.5	µg/L	EPA 625.1	1.2	5			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	4-Nitrophenol	n/a	=	54	%	EPA 625.1	-88	-88	13	129	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	4-Nitrophenol	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Acenaphthene	n/a	=	6.63	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Acenaphthene	n/a	=	66	%	EPA 8270C	-88	-88	11	122	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Acenaphthene	n/a	=	8.99	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Acenaphthene	n/a	=	90	%	EPA 8270C	-88	-88	11	122	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Acenaphthene	n/a	=	30	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Acenaphthene	n/a	=	21.5	µg/L	EPA 625.1	0.38	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Acenaphthene	n/a	=	86	%	EPA 625.1	-88	-88	60	132	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Acenaphthene	n/a	=	22.7	µg/L	EPA 625.1	0.38	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Acenaphthene	n/a	=	91	%	EPA 625.1	-88	-88	60	132	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Acenaphthene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Acenaphthylene	n/a	=	6.95	µg/L	EPA 8270C	0.1	0.1			IL
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Acenaphthylene	n/a	=	70	%	EPA 8270C	-88	-88	4	135	IL
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Acenaphthylene	n/a	=	9.54	µg/L	EPA 8270C	0.1	0.1			IL
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Acenaphthylene	n/a	=	95	%	EPA 8270C	-88	-88	4	135	IL
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Acenaphthylene	n/a	=	31	%	EPA 8270C	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/18/2020	Organic	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Acenaphthylene	n/a	=	19.6	µg/L	EPA 625.1	0.17	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Acenaphthylene	n/a	=	78	%	EPA 625.1	-88	-88	54	126	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Acenaphthylene	n/a	=	21.3	µg/L	EPA 625.1	0.17	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Acenaphthylene	n/a	=	85	%	EPA 625.1	-88	-88	54	126	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Acenaphthylene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Anthracene	n/a	=	7.36	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Anthracene	n/a	=	74	%	EPA 8270C	-88	-88	22	127	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Anthracene	n/a	=	8.95	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Anthracene	n/a	=	90	%	EPA 8270C	-88	-88	22	127	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Anthracene	n/a	=	19	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Anthracene	n/a	=	21.1	µg/L	EPA 625.1	0.12	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Anthracene	n/a	=	85	%	EPA 625.1	-88	-88	43	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Anthracene	n/a	=	22.5	µg/L	EPA 625.1	0.12	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Anthracene	n/a	=	90	%	EPA 625.1	-88	-88	43	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Anthracene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Benz(a)anthracene	n/a	=	10.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Benz(a)anthracene	n/a	=	101	%	EPA 8270C	-88	-88	17	131	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Benz(a)anthracene	n/a	=	12.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Benz(a)anthracene	n/a	=	121	%	EPA 8270C	-88	-88	17	131	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Benz(a)anthracene	n/a	=	18	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Benz(a)anthracene	n/a	=	30.9	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Benz(a)anthracene	n/a	=	124	%	EPA 625.1	-88	-88	42	133	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Benz(a)anthracene	n/a	=	33.3	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Benz(a)anthracene	n/a	=	133	%	EPA 625.1	-88	-88	42	133	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Benz(a)anthracene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Benididine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10			
2019/20-3	Lab	method blank	3/17/2020	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Benzo(a)pyrene	n/a	=	9.06	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Benzo(a)pyrene	n/a	=	91	%	EPA 8270C	-88	-88	12	131	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Benzo(a)pyrene	n/a	=	9.4	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Benzo(a)pyrene	n/a	=	94	%	EPA 8270C	-88	-88	12	131	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Benzo(a)pyrene	n/a	=	30.7	µg/L	EPA 625.1	0.39	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Benzo(a)pyrene	n/a	=	123	%	EPA 625.1	-88	-88	32	148	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Benzo(a)pyrene	n/a	=	32.1	µg/L	EPA 625.1	0.39	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Benzo(a)pyrene	n/a	=	128	%	EPA 625.1	-88	-88	32	148	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-3	Lab	LCS	3/19/2020	Organic	Benzo(a)pyrene	n/a	=	4.43	µg/L	EPA 525.2	0.07	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Organic	Benzo(a)pyrene	n/a	=	89	%	EPA 525.2	-88	-88	60	130	
2019/20-3	Lab	LCS dup	3/19/2020	Organic	Benzo(a)pyrene	n/a	=	4.36	µg/L	EPA 525.2	0.07	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Organic	Benzo(a)pyrene	n/a	=	87	%	EPA 525.2	-88	-88	60	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Benzo(b)fluoranthene	n/a	=	8.9	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Benzo(b)fluoranthene	n/a	=	89	%	EPA 8270C	-88	-88	19	129	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Benzo(b)fluoranthene	n/a	=	9.34	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Benzo(b)fluoranthene	n/a	=	93	%	EPA 8270C	-88	-88	19	129	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Benzo(b)fluoranthene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Benzo(b)fluoranthene	n/a	=	28.7	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Benzo(b)fluoranthene	n/a	=	115	%	EPA 625.1	-88	-88	42	140	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Benzo(b)fluoranthene	n/a	=	29	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Benzo(b)fluoranthene	n/a	=	116	%	EPA 625.1	-88	-88	42	140	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Benzo(b)fluoranthene	n/a	=	0.9	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS	3/17/2020	Organic	Benzo(g,h,i)perylene	n/a	=	7.84	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Benzo(g,h,i)perylene	n/a	=	78	%	EPA 8270C	-88	-88	14	139	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Benzo(g,h,i)perylene	n/a	=	9.28	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Benzo(g,h,i)perylene	n/a	=	93	%	EPA 8270C	-88	-88	14	139	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Benzo(g,h,i)perylene	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2			
2019/20-3	Lab	LCS	3/18/2020	Organic	Benzo(g,h,i)perylene	n/a	=	35.7	µg/L	EPA 625.1	0.42	2			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Benzo(g,h,i)perylene	n/a	=	143	%	EPA 625.1	-88	-88	0.1	195	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Benzo(g,h,i)perylene	n/a	=	37.9	µg/L	EPA 625.1	0.42	2			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Benzo(g,h,i)perylene	n/a	=	152	%	EPA 625.1	-88	-88	0.1	195	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Benzo(g,h,i)perylene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Benzo(k)fluoranthene	n/a	=	8.45	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 8270C	-88	-88	22	127	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Benzo(k)fluoranthene	n/a	=	8.57	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Benzo(k)fluoranthene	n/a	=	86	%	EPA 8270C	-88	-88	22	127	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Benzo(k)fluoranthene	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Benzo(k)fluoranthene	n/a	=	29	µg/L	EPA 625.1	0.22	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Benzo(k)fluoranthene	n/a	=	116	%	EPA 625.1	-88	-88	25	146	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Benzo(k)fluoranthene	n/a	=	30.3	µg/L	EPA 625.1	0.22	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Benzo(k)fluoranthene	n/a	=	121	%	EPA 625.1	-88	-88	25	146	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Benzo(k)fluoranthene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.3	µg/L	EPA 625.1	0.25	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	77	%	EPA 625.1	-88	-88	49	165	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.2	µg/L	EPA 625.1	0.25	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	85	%	EPA 625.1	-88	-88	49	165	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	16.4	µg/L	EPA 625.1	0.27	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	66	%	EPA 625.1	-88	-88	43	126	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	18.3	µg/L	EPA 625.1	0.27	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	73	%	EPA 625.1	-88	-88	43	126	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.4	µg/L	EPA 625.1	0.38	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	73	%	EPA 625.1	-88	-88	63	139	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.8	µg/L	EPA 625.1	0.38	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	83	%	EPA 625.1	-88	-88	63	139	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	13	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-3	Lab	LCS	3/19/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.33	µg/L	EPA 525.2	0.1	5			
2019/20-3	Lab	LCS, rec	3/19/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.54	µg/L	EPA 525.2	0.1	5			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	method blank	3/18/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5			
2019/20-3	Lab	LCS	3/18/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	25.9	µg/L	EPA 625.1	2.3	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	104	%	EPA 625.1	-88	-88	29	137	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27.2	µg/L	EPA 625.1	2.3	5			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	109	%	EPA 625.1	-88	-88	29	137	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-3	Lab	LCS	3/19/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.23	µg/L	EPA 525.2	1.1	3			
2019/20-3	Lab	LCS, rec	3/19/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.47	µg/L	EPA 525.2	1.1	3			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Butyl benzyl phthalate	n/a	=	26.3	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Butyl benzyl phthalate	n/a	=	105	%	EPA 625.1	-88	-88	0.1	140	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Butyl benzyl phthalate	n/a	=	28.5	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Butyl benzyl phthalate	n/a	=	114	%	EPA 625.1	-88	-88	0.1	140	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Butyl benzyl phthalate	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Chrysene	n/a	=	8.77	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Chrysene	n/a	=	88	%	EPA 8270C	-88	-88	32	126	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Chrysene	n/a	=	9.39	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Chrysene	n/a	=	94	%	EPA 8270C	-88	-88	32	126	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Chrysene	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Chrysene	n/a	=	24.4	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Chrysene	n/a	=	98	%	EPA 625.1	-88	-88	44	140	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Chrysene	n/a	=	25	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Chrysene	n/a	=	100	%	EPA 625.1	-88	-88	44	140	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Chrysene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Dibenz(a,h)anthracene	n/a	=	6.27	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Dibenz(a,h)anthracene	n/a	=	63	%	EPA 8270C	-88	-88	9	147	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Dibenz(a,h)anthracene	n/a	=	7.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Dibenz(a,h)anthracene	n/a	=	71	%	EPA 8270C	-88	-88	9	147	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Dibenz(a,h)anthracene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2			
2019/20-3	Lab	LCS	3/18/2020	Organic	Dibenz(a,h)anthracene	n/a	=	22.4	µg/L	EPA 625.1	0.53	2			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Dibenz(a,h)anthracene	n/a	=	90	%	EPA 625.1	-88	-88	0.1	200	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Dibenz(a,h)anthracene	n/a	=	22.7	µg/L	EPA 625.1	0.53	2			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Dibenz(a,h)anthracene	n/a	=	91	%	EPA 625.1	-88	-88	0.1	200	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Dibenz(a,h)anthracene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Diethyl phthalate	n/a	=	21.4	µg/L	EPA 625.1	0.15	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Diethyl phthalate	n/a	=	86	%	EPA 625.1	-88	-88	0.1	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Diethyl phthalate	n/a	=	22.9	µg/L	EPA 625.1	0.15	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Diethyl phthalate	n/a	=	92	%	EPA 625.1	-88	-88	0.1	120	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Diethyl phthalate	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Dimethyl phthalate	n/a	=	19.5	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Dimethyl phthalate	n/a	=	78	%	EPA 625.1	-88	-88	0.1	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Dimethyl phthalate	n/a	=	22.1	µg/L	EPA 625.1	0.18	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Dimethyl phthalate	n/a	=	89	%	EPA 625.1	-88	-88	0.1	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Dimethyl phthalate	n/a	=	12	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Di-n-butylphthalate	n/a	=	25.1	µg/L	EPA 625.1	0.1	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Di-n-butylphthalate	n/a	=	100	%	EPA 625.1	-88	-88	8	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Di-n-butylphthalate	n/a	=	26.7	µg/L	EPA 625.1	0.1	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Di-n-butylphthalate	n/a	=	107	%	EPA 625.1	-88	-88	8	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Di-n-butylphthalate	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Di-n-octylphthalate	n/a	=	22.3	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Di-n-octylphthalate	n/a	=	89	%	EPA 625.1	-88	-88	19	132	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Di-n-octylphthalate	n/a	=	17.9	µg/L	EPA 625.1	0.46	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Di-n-octylphthalate	n/a	=	72	%	EPA 625.1	-88	-88	19	132	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Di-n-octylphthalate	n/a	=	22	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Fluoranthene	n/a	=	9.04	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Fluoranthene	n/a	=	90	%	EPA 8270C	-88	-88	22	131	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Fluoranthene	n/a	=	10.4	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Fluoranthene	n/a	=	104	%	EPA 8270C	-88	-88	22	131	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Fluoranthene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Fluoranthene	n/a	=	24.5	µg/L	EPA 625.1	0.08	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Fluoranthene	n/a	=	98	%	EPA 625.1	-88	-88	43	121	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Fluoranthene	n/a	=	26.3	µg/L	EPA 625.1	0.08	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Fluoranthene	n/a	=	105	%	EPA 625.1	-88	-88	43	121	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Fluoranthene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Fluorene	n/a	=	6.99	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Fluorene	n/a	=	70	%	EPA 8270C	-88	-88	19	122	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Fluorene	n/a	=	9.45	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Fluorene	n/a	=	94	%	EPA 8270C	-88	-88	19	122	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Fluorene	n/a	=	30	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Fluorene	n/a	=	21.6	µg/L	EPA 625.1	0.35	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Fluorene	n/a	=	87	%	EPA 625.1	-88	-88	70	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Fluorene	n/a	=	23.3	µg/L	EPA 625.1	0.35	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Fluorene	n/a	=	93	%	EPA 625.1	-88	-88	70	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Fluorene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Hexachlorobenzene	n/a	=	21.6	µg/L	EPA 625.1	0.49	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Hexachlorobenzene	n/a	=	86	%	EPA 625.1	-88	-88	8	142	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Hexachlorobenzene	n/a	=	23.1	µg/L	EPA 625.1	0.49	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Hexachlorobenzene	n/a	=	93	%	EPA 625.1	-88	-88	8	142	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Hexachlorobenzene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Hexachlorobutadiene	n/a	=	19.6	µg/L	EPA 625.1	0.47	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Hexachlorobutadiene	n/a	=	79	%	EPA 625.1	-88	-88	38	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Hexachlorobutadiene	n/a	=	22.3	µg/L	EPA 625.1	0.47	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Hexachlorobutadiene	n/a	=	89	%	EPA 625.1	-88	-88	38	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Hexachlorobutadiene	n/a	=	13	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5			
2019/20-3	Lab	LCS	3/18/2020	Organic	Hexachlorocyclopentadiene	n/a	=	13.4	µg/L	EPA 625.1	0.98	5			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Hexachlorocyclopentadiene	n/a	=	54	%	EPA 625.1	-88	-88	10	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Hexachlorocyclopentadiene	n/a	=	15.4	µg/L	EPA 625.1	0.98	5			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Hexachlorocyclopentadiene	n/a	=	61	%	EPA 625.1	-88	-88	10	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Hexachlorocyclopentadiene	n/a	=	14	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Hexachloroethane	n/a	=	17.7	µg/L	EPA 625.1	0.5	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Hexachloroethane	n/a	=	71	%	EPA 625.1	-88	-88	55	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Hexachloroethane	n/a	=	19.7	µg/L	EPA 625.1	0.5	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Hexachloroethane	n/a	=	79	%	EPA 625.1	-88	-88	55	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Hexachloroethane	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.09	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	81	%	EPA 8270C	-88	-88	12	136	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.19	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	92	%	EPA 8270C	-88	-88	12	136	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2			
2019/20-3	Lab	LCS	3/18/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	31.5	µg/L	EPA 625.1	0.55	2			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	126	%	EPA 625.1	-88	-88	0.1	151	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	33.6	µg/L	EPA 625.1	0.55	2			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	134	%	EPA 625.1	-88	-88	0.1	151	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Isophorone	n/a	=	20.3	µg/L	EPA 625.1	0.21	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Isophorone	n/a	=	81	%	EPA 625.1	-88	-88	47	180	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Isophorone	n/a	=	22.1	µg/L	EPA 625.1	0.21	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Isophorone	n/a	=	89	%	EPA 625.1	-88	-88	47	180	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Isophorone	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	LCS	3/11/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	52.7	µg/L	EPA 624	0.4	1			
2019/20-3	Lab	LCS, rec	3/11/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	105	%	EPA 624	-88	-88	80	128	
2019/20-3	Lab	LCS dup	3/11/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	52	µg/L	EPA 624	0.4	1			
2019/20-3	Lab	LCS dup, rec	3/11/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	104	%	EPA 624	-88	-88	80	128	
2019/20-3	Lab	LCS, RPD	3/11/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	1	%	EPA 624	-88	-88	0	25	
2019/20-3	Lab	method blank	3/11/2020	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1			
2019/20-3	Lab	method blank	3/17/2020	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Naphthalene	n/a	=	5.98	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Naphthalene	n/a	=	60	%	EPA 8270C	-88	-88	12	136	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Naphthalene	n/a	=	7.78	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Naphthalene	n/a	=	78	%	EPA 8270C	-88	-88	12	136	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Naphthalene	n/a	=	26	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Naphthalene	n/a	=	17.2	µg/L	EPA 625.1	0.49	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Naphthalene	n/a	=	69	%	EPA 625.1	-88	-88	36	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Naphthalene	n/a	=	19.1	µg/L	EPA 625.1	0.49	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Naphthalene	n/a	=	77	%	EPA 625.1	-88	-88	36	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Naphthalene	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Nitrobenzene	n/a	=	17.4	µg/L	EPA 625.1	0.36	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Nitrobenzene	n/a	=	69	%	EPA 625.1	-88	-88	54	158	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Nitrobenzene	n/a	=	19	µg/L	EPA 625.1	0.36	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Nitrobenzene	n/a	=	76	%	EPA 625.1	-88	-88	54	158	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Nitrobenzene	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	srgt method blank	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	2.43	µg/L	EPA 8270C	-88	-88			GN
2019/20-3	Lab	srgt method blank, rec	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	49	%	EPA 8270C	-88	-88	51	143	GN
2019/20-3	Lab	srgt LCS	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	2.75	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	55	%	EPA 8270C	-88	-88	51	143	
2019/20-3	Lab	srgt LCS dup	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	3.62	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270C	-88	-88	51	143	
2019/20-3	Lab	srgt method blank	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	2.48	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	50	%	EPA 625.1	-88	-88	47	120	
2019/20-3	Lab	srgt LCS	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	17.9	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625.1	-88	-88	47	120	
2019/20-3	Lab	srgt LCS dup	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	18.9	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625.1	-88	-88	47	120	
2019/20-3	ME-CC	srgt environ	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	2.44	µg/L	EPA 8270C	-88	-88			GN
2019/20-3	ME-CC	srgt environ, rec	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	49	%	EPA 8270C	-88	-88	51	143	GN
2019/20-3	ME-CC	srgt environ	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	2.49	µg/L	EPA 625.1	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	50	%	EPA 625.1	-88	-88	47	120	
2019/20-3	MO-FIL	srgt environ	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	3.42	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2019/20-3	MO-FIL	srgt environ	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	3.64	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625.1	-88	-88	47	120	
2019/20-3	MO-OXN	srgt environ	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	26.8	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270C	-88	-88	51	143	
2019/20-3	MO-OXN	srgt environ	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	28	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 625.1	-88	-88	47	120	
2019/20-3	MO-SIM	srgt environ	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	2.96	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 8270C	-88	-88	51	143	
2019/20-3	MO-SIM	srgt environ	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	2.96	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 625.1	-88	-88	47	120	
2019/20-3	MO-VEN	srgt environ	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	28.6	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/17/2020	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 8270C	-88	-88	51	143	
2019/20-3	MO-VEN	srgt environ	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	29.7	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/18/2020	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 625.1	-88	-88	47	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	method blank	3/18/2020	Organic	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	N-Nitrosodimethylamine	n/a	=	13.7	µg/L	EPA 625.1	0.5	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	N-Nitrosodimethylamine	n/a	=	55	%	EPA 625.1	-88	-88	22	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	N-Nitrosodimethylamine	n/a	=	15.4	µg/L	EPA 625.1	0.5	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	N-Nitrosodimethylamine	n/a	=	62	%	EPA 625.1	-88	-88	22	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	N-Nitrosodimethylamine	n/a	=	12	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.2	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625.1	-88	-88	14	198	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	22.8	µg/L	EPA 625.1	0.26	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	91	%	EPA 625.1	-88	-88	14	198	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	12	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	N-Nitrosodiphenylamine	n/a	=	17.2	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	N-Nitrosodiphenylamine	n/a	=	69	%	EPA 625.1	-88	-88	47	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	N-Nitrosodiphenylamine	n/a	=	19.1	µg/L	EPA 625.1	0.19	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	N-Nitrosodiphenylamine	n/a	=	77	%	EPA 625.1	-88	-88	47	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	N-Nitrosodiphenylamine	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	srgt method blank	3/19/2020	Organic	Perylene-d12	n/a	=	3.62	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/19/2020	Organic	Perylene-d12	n/a	=	72	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	srgt LCS	3/19/2020	Organic	Perylene-d12	n/a	=	4.58	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/19/2020	Organic	Perylene-d12	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	srgt LCS dup	3/19/2020	Organic	Perylene-d12	n/a	=	4.09	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/19/2020	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	50	120	
2019/20-3	ME-CC	srgt environ	3/19/2020	Organic	Perylene-d12	n/a	=	5.82	µg/L	EPA 525.2	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/19/2020	Organic	Perylene-d12	n/a	=	58	%	EPA 525.2	-88	-88	50	120	
2019/20-3	MO-FIL	srgt environ	3/19/2020	Organic	Perylene-d12	n/a	=	31	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/19/2020	Organic	Perylene-d12	n/a	=	62	%	EPA 525.2	-88	-88	50	120	
2019/20-3	MO-OXN	srgt environ	3/19/2020	Organic	Perylene-d12	n/a	=	23.6	µg/L	EPA 525.2	-88	-88			GN
2019/20-3	MO-OXN	srgt environ, rec	3/19/2020	Organic	Perylene-d12	n/a	=	47	%	EPA 525.2	-88	-88	50	120	GN
2019/20-3	MO-SIM	srgt environ	3/19/2020	Organic	Perylene-d12	n/a	=	25.8	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/19/2020	Organic	Perylene-d12	n/a	=	52	%	EPA 525.2	-88	-88	50	120	
2019/20-3	MO-SPA	srgt environ	3/19/2020	Organic	Perylene-d12	n/a	=	45	µg/L	EPA 525.2	-88	-88			GN
2019/20-3	MO-SPA	srgt environ, rec	3/19/2020	Organic	Perylene-d12	n/a	=	45	%	EPA 525.2	-88	-88	50	120	GN
2019/20-3	MO-VEN	srgt environ	3/19/2020	Organic	Perylene-d12	n/a	=	35.5	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/19/2020	Organic	Perylene-d12	n/a	=	71	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	method blank	3/17/2020	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Phenanthrene	n/a	=	7.5	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Phenanthrene	n/a	=	75	%	EPA 8270C	-88	-88	21	131	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Phenanthrene	n/a	=	9.13	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Phenanthrene	n/a	=	91	%	EPA 8270C	-88	-88	21	131	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Phenanthrene	n/a	=	20	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Phenanthrene	n/a	=	18.6	µg/L	EPA 625.1	0.32	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Phenanthrene	n/a	=	74	%	EPA 625.1	-88	-88	65	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Phenanthrene	n/a	=	19.5	µg/L	EPA 625.1	0.32	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Phenanthrene	n/a	=	78	%	EPA 625.1	-88	-88	65	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Phenanthrene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Phenol	n/a	=	2.89	µg/L	EPA 8270C	0.35	1			IL
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Phenol	n/a	=	29	%	EPA 8270C	-88	-88	6	43	IL
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Phenol	n/a	=	3.94	µg/L	EPA 8270C	0.35	1			IL
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Phenol	n/a	=	39	%	EPA 8270C	-88	-88	6	43	IL
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Phenol	n/a	=	31	%	EPA 8270C	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/18/2020	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Phenol	n/a	=	7.4	µg/L	EPA 625.1	0.16	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Phenol	n/a	=	30	%	EPA 625.1	-88	-88	17	120	
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Phenol	n/a	=	8.1	µg/L	EPA 625.1	0.16	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Phenol	n/a	=	32	%	EPA 625.1	-88	-88	17	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Phenol	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-3	Lab	srgt method blank	3/17/2020	Organic	Phenol-d5	n/a	=	2.07	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/17/2020	Organic	Phenol-d5	n/a	=	21	%	EPA 8270C	-88	-88	5	46	
2019/20-3	Lab	srgt LCS	3/17/2020	Organic	Phenol-d5	n/a	=	2.42	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/17/2020	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2019/20-3	Lab	srgt LCS dup	3/17/2020	Organic	Phenol-d5	n/a	=	3.3	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/17/2020	Organic	Phenol-d5	n/a	=	33	%	EPA 8270C	-88	-88	5	46	
2019/20-3	Lab	srgt method blank	3/18/2020	Organic	Phenol-d5	n/a	=	2.26	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/18/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 625.1	-88	-88	12	120	
2019/20-3	Lab	srgt LCS	3/18/2020	Organic	Phenol-d5	n/a	=	15.9	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/18/2020	Organic	Phenol-d5	n/a	=	32	%	EPA 625.1	-88	-88	12	120	
2019/20-3	Lab	srgt LCS dup	3/18/2020	Organic	Phenol-d5	n/a	=	17.1	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/18/2020	Organic	Phenol-d5	n/a	=	34	%	EPA 625.1	-88	-88	12	120	
2019/20-3	ME-CC	srgt environ	3/17/2020	Organic	Phenol-d5	n/a	=	2.34	µg/L	EPA 8270C	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/17/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2019/20-3	ME-CC	srgt environ	3/18/2020	Organic	Phenol-d5	n/a	=	2.34	µg/L	EPA 625.1	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/18/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 625.1	-88	-88	12	120	
2019/20-3	MO-FIL	srgt environ	3/17/2020	Organic	Phenol-d5	n/a	=	3.82	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/17/2020	Organic	Phenol-d5	n/a	=	38	%	EPA 8270C	-88	-88	5	46	
2019/20-3	MO-FIL	srgt environ	3/18/2020	Organic	Phenol-d5	n/a	=	3.1	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/18/2020	Organic	Phenol-d5	n/a	=	31	%	EPA 625.1	-88	-88	12	120	
2019/20-3	MO-OXN	srgt environ	3/17/2020	Organic	Phenol-d5	n/a	=	23.2	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/17/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	
2019/20-3	MO-OXN	srgt environ	3/18/2020	Organic	Phenol-d5	n/a	=	23.6	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/18/2020	Organic	Phenol-d5	n/a	=	24	%	EPA 625.1	-88	-88	12	120	
2019/20-3	MO-SIM	srgt environ	3/17/2020	Organic	Phenol-d5	n/a	=	2.77	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/17/2020	Organic	Phenol-d5	n/a	=	28	%	EPA 8270C	-88	-88	5	46	
2019/20-3	MO-SIM	srgt environ	3/18/2020	Organic	Phenol-d5	n/a	=	2.18	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/18/2020	Organic	Phenol-d5	n/a	=	22	%	EPA 625.1	-88	-88	12	120	
2019/20-3	MO-VEN	srgt environ	3/17/2020	Organic	Phenol-d5	n/a	=	26.5	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/17/2020	Organic	Phenol-d5	n/a	=	26	%	EPA 8270C	-88	-88	5	46	
2019/20-3	MO-VEN	srgt environ	3/18/2020	Organic	Phenol-d5	n/a	=	27.2	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/18/2020	Organic	Phenol-d5	n/a	=	27	%	EPA 625.1	-88	-88	12	120	
2019/20-3	Lab	srgt method blank	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	3.7	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 8270C	-88	-88	19	134	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	srgt LCS	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	4.21	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	
2019/20-3	Lab	srgt LCS dup	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	4.62	µg/L	EPA 8270C	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 8270C	-88	-88	19	134	
2019/20-3	Lab	srgt method blank	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	3.86	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 625.1	-88	-88	44	129	
2019/20-3	Lab	srgt LCS	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	25	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	100	%	EPA 625.1	-88	-88	44	129	
2019/20-3	Lab	srgt LCS dup	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	24.1	µg/L	EPA 625.1	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 625.1	-88	-88	44	129	
2019/20-3	ME-CC	srgt environ	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	3.61	µg/L	EPA 8270C	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 8270C	-88	-88	19	134	
2019/20-3	ME-CC	srgt environ	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	3.53	µg/L	EPA 625.1	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 625.1	-88	-88	44	129	
2019/20-3	MO-FIL	srgt environ	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	3.98	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 8270C	-88	-88	19	134	
2019/20-3	MO-FIL	srgt environ	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	4.33	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 625.1	-88	-88	44	129	
2019/20-3	MO-OXN	srgt environ	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	37.9	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 8270C	-88	-88	19	134	
2019/20-3	MO-OXN	srgt environ	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	41.6	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625.1	-88	-88	44	129	
2019/20-3	MO-SIM	srgt environ	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	3.68	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 8270C	-88	-88	19	134	
2019/20-3	MO-SIM	srgt environ	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	4.07	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 625.1	-88	-88	44	129	
2019/20-3	MO-VEN	srgt environ	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	43.9	µg/L	EPA 8270C	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/17/2020	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 8270C	-88	-88	19	134	
2019/20-3	MO-VEN	srgt environ	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	46.7	µg/L	EPA 625.1	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/18/2020	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 625.1	-88	-88	44	129	
2019/20-3	Lab	method blank	3/17/2020	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS	3/17/2020	Organic	Pyrene	n/a	=	9.3	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Organic	Pyrene	n/a	=	93	%	EPA 8270C	-88	-88	26	128	
2019/20-3	Lab	LCS dup	3/17/2020	Organic	Pyrene	n/a	=	10.6	µg/L	EPA 8270C	0.1	0.1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Organic	Pyrene	n/a	=	106	%	EPA 8270C	-88	-88	26	128	
2019/20-3	Lab	LCS, RPD	3/17/2020	Organic	Pyrene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/18/2020	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-3	Lab	LCS	3/18/2020	Organic	Pyrene	n/a	=	31.5	µg/L	EPA 625.1	0.25	1			EUM
2019/20-3	Lab	LCS, rec	3/18/2020	Organic	Pyrene	n/a	=	126	%	EPA 625.1	-88	-88	70	120	EUM
2019/20-3	Lab	LCS dup	3/18/2020	Organic	Pyrene	n/a	=	33.9	µg/L	EPA 625.1	0.25	1			EUM
2019/20-3	Lab	LCS dup, rec	3/18/2020	Organic	Pyrene	n/a	=	136	%	EPA 625.1	-88	-88	70	120	EUM
2019/20-3	Lab	LCS, RPD	3/18/2020	Organic	Pyrene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	EUM
2019/20-3	000NONPJ	srgt matrix spike	3/24/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.611	µg/L	EPA 608.3	-88	-88			
2019/20-3	000NONPJ	srgt matrix spike, rec	3/24/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608.3	-88	-88	32	130	
2019/20-3	000NONPJ	srgt matrix spike dup	3/24/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.687	µg/L	EPA 608.3	-88	-88			
2019/20-3	000NONPJ	srgt matrix spike dup, rec	3/24/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	69	%	EPA 608.3	-88	-88	32	130	
2019/20-3	Lab	srgt method blank	3/24/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0724	µg/L	EPA 608.3	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	srgt method blank, rec	3/24/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608.3	-88	-88	32	130	
2019/20-3	Lab	srgt LCS	3/24/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0811	µg/L	EPA 608.3	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/24/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	81	%	EPA 608.3	-88	-88	32	130	
2019/20-3	Lab	srgt method blank	3/30/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.065	µg/L	EPA 608.3	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/30/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	65	%	EPA 608.3	-88	-88	32	130	
2019/20-3	Lab	srgt LCS	3/30/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0735	µg/L	EPA 608.3	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/30/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608.3	-88	-88	32	130	
2019/20-3	ME-CC	srgt environ	3/30/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0576	µg/L	EPA 608.3	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/30/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608.3	-88	-88	35	111	
2019/20-3	MO-FIL	srgt environ	3/25/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0735	µg/L	EPA 608.3	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/25/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608.3	-88	-88	35	111	
2019/20-3	MO-OXN	srgt environ	3/25/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0714	µg/L	EPA 608.3	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/25/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	71	%	EPA 608.3	-88	-88	35	111	
2019/20-3	MO-SIM	srgt environ	3/25/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0636	µg/L	EPA 608.3	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/25/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608.3	-88	-88	35	111	
2019/20-3	MO-VEN	srgt environ	3/30/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0439	µg/L	EPA 608.3	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/30/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	44	%	EPA 608.3	-88	-88	35	111	
2019/20-3	Lab	srgt LCS	3/11/2020	Organic	Toluene-d8	n/a	=	54.2	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/11/2020	Organic	Toluene-d8	n/a	=	108	%	EPA 624	-88	-88	92	112	
2019/20-3	Lab	srgt LCS dup	3/11/2020	Organic	Toluene-d8	n/a	=	54.2	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/11/2020	Organic	Toluene-d8	n/a	=	108	%	EPA 624	-88	-88	92	112	
2019/20-3	Lab	srgt method blank	3/11/2020	Organic	Toluene-d8	n/a	=	53.5	µg/L	EPA 624	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/11/2020	Organic	Toluene-d8	n/a	=	107	%	EPA 624	-88	-88	92	112	
2019/20-3	ME-CC	srgt environ	3/11/2020	Organic	Toluene-d8	n/a	=	52.8	µg/L	EPA 624	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/11/2020	Organic	Toluene-d8	n/a	=	106	%	EPA 624	-88	-88	92	112	
2019/20-3	ME-CC	srgt matrix spike	3/12/2020	Organic	Toluene-d8	n/a	=	54.7	µg/L	EPA 624	-88	-88			
2019/20-3	ME-CC	srgt matrix spike, rec	3/12/2020	Organic	Toluene-d8	n/a	=	109	%	EPA 624	-88	-88	92	112	
2019/20-3	ME-CC	srgt matrix spike dup	3/12/2020	Organic	Toluene-d8	n/a	=	54.9	µg/L	EPA 624	-88	-88			
2019/20-3	ME-CC	srgt matrix spike dup, rec	3/12/2020	Organic	Toluene-d8	n/a	=	110	%	EPA 624	-88	-88	92	112	
2019/20-3	MO-FIL	srgt environ	3/11/2020	Organic	Toluene-d8	n/a	=	54	µg/L	EPA 624	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/11/2020	Organic	Toluene-d8	n/a	=	108	%	EPA 624	-88	-88	92	112	
2019/20-3	MO-OXN	srgt environ	3/11/2020	Organic	Toluene-d8	n/a	=	53.1	µg/L	EPA 624	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/11/2020	Organic	Toluene-d8	n/a	=	106	%	EPA 624	-88	-88	92	112	
2019/20-3	MO-SIM	srgt environ	3/11/2020	Organic	Toluene-d8	n/a	=	54.1	µg/L	EPA 624	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/11/2020	Organic	Toluene-d8	n/a	=	108	%	EPA 624	-88	-88	92	112	
2019/20-3	MO-SPA	srgt environ	3/11/2020	Organic	Toluene-d8	n/a	=	54.8	µg/L	EPA 624	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/11/2020	Organic	Toluene-d8	n/a	=	110	%	EPA 624	-88	-88	92	112	
2019/20-3	MO-VEN	srgt environ	3/11/2020	Organic	Toluene-d8	n/a	=	53.8	µg/L	EPA 624	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/11/2020	Organic	Toluene-d8	n/a	=	108	%	EPA 624	-88	-88	92	112	
2019/20-3	Lab	srgt method blank	3/19/2020	Organic	Triphenylphosphate	n/a	=	4.85	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	srgt LCS	3/19/2020	Organic	Triphenylphosphate	n/a	=	5.56	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	srgt LCS dup	3/19/2020	Organic	Triphenylphosphate	n/a	=	5.75	µg/L	EPA 525.2	-88	-88			
2019/20-3	Lab	srgt LCS dup, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	srgt method blank	3/24/2020	Organic	Triphenylphosphate	n/a	=	0.711	µg/L	EPA 525.2m	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/24/2020	Organic	Triphenylphosphate	n/a	=	142	%	EPA 525.2m	-88	-88	40	163	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	srgt LCS	3/25/2020	Organic	Triphenylphosphate	n/a	=	0.736	µg/L	EPA 525.2m	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/25/2020	Organic	Triphenylphosphate	n/a	=	147	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	Lab	srgt method blank	3/31/2020	Organic	Triphenylphosphate	n/a	=	0.699	µg/L	EPA 525.2m	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/31/2020	Organic	Triphenylphosphate	n/a	=	140	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	Lab	srgt LCS	3/31/2020	Organic	Triphenylphosphate	n/a	=	0.74	µg/L	EPA 525.2m	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/31/2020	Organic	Triphenylphosphate	n/a	=	148	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	ME-CC	srgt environ	3/19/2020	Organic	Triphenylphosphate	n/a	=	12.3	µg/L	EPA 525.2	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2	-88	-88	70	130	
2019/20-3	ME-CC	srgt environ	3/24/2020	Organic	Triphenylphosphate	n/a	=	6.04	µg/L	EPA 525.2m	-88	-88			GN
2019/20-3	ME-CC	srgt environ, rec	3/24/2020	Organic	Triphenylphosphate	n/a	=	242	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-3	MO-FIL	srgt environ	3/19/2020	Organic	Triphenylphosphate	n/a	=	59.5	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-FIL	srgt environ	3/25/2020	Organic	Triphenylphosphate	n/a	=	3.72	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/25/2020	Organic	Triphenylphosphate	n/a	=	149	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	MO-OXN	srgt environ	3/19/2020	Organic	Triphenylphosphate	n/a	=	59.6	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-OXN	srgt environ	3/25/2020	Organic	Triphenylphosphate	n/a	=	3.95	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-OXN	srgt environ, rec	3/25/2020	Organic	Triphenylphosphate	n/a	=	158	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	MO-SIM	srgt environ	3/19/2020	Organic	Triphenylphosphate	n/a	=	59.3	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-SIM	srgt environ	3/25/2020	Organic	Triphenylphosphate	n/a	=	4.14	µg/L	EPA 525.2m	-88	-88			GN
2019/20-3	MO-SIM	srgt environ, rec	3/25/2020	Organic	Triphenylphosphate	n/a	=	166	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-3	MO-SPA	srgt environ	3/19/2020	Organic	Triphenylphosphate	n/a	=	117	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-SPA	srgt environ	3/24/2020	Organic	Triphenylphosphate	n/a	=	7.58	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-SPA	srgt environ, rec	3/24/2020	Organic	Triphenylphosphate	n/a	=	152	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	MO-VEN	srgt environ	3/19/2020	Organic	Triphenylphosphate	n/a	=	60.6	µg/L	EPA 525.2	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/19/2020	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2	-88	-88	70	130	
2019/20-3	MO-VEN	srgt matrix spike	3/24/2020	Organic	Triphenylphosphate	n/a	=	37.5	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt matrix spike, rec	3/24/2020	Organic	Triphenylphosphate	n/a	=	150	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	MO-VEN	srgt matrix spike dup	3/24/2020	Organic	Triphenylphosphate	n/a	=	32.9	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt matrix spike dup, rec	3/24/2020	Organic	Triphenylphosphate	n/a	=	132	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	MO-VEN	srgt environ	3/24/2020	Organic	Triphenylphosphate	n/a	=	36.3	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/24/2020	Organic	Triphenylphosphate	n/a	=	145	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	MO-VEN	srgt matrix spike	4/1/2020	Organic	Triphenylphosphate	n/a	=	36.1	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt matrix spike, rec	4/1/2020	Organic	Triphenylphosphate	n/a	=	144	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	MO-VEN	srgt matrix spike dup	4/1/2020	Organic	Triphenylphosphate	n/a	=	33.3	µg/L	EPA 525.2m	-88	-88			
2019/20-3	MO-VEN	srgt matrix spike dup, rec	4/1/2020	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2m	-88	-88	40	163	
2019/20-3	000NONPJ	srgt matrix spike	3/24/2020	PCB	PCB 209	n/a	=	0.519	µg/L	EPA 608.3	-88	-88			
2019/20-3	000NONPJ	srgt matrix spike, rec	3/24/2020	PCB	PCB 209	n/a	=	52	%	EPA 608.3	-88	-88	33	133	
2019/20-3	000NONPJ	srgt matrix spike dup	3/24/2020	PCB	PCB 209	n/a	=	0.478	µg/L	EPA 608.3	-88	-88			
2019/20-3	000NONPJ	srgt matrix spike dup, rec	3/24/2020	PCB	PCB 209	n/a	=	48	%	EPA 608.3	-88	-88	33	133	
2019/20-3	Lab	srgt method blank	3/24/2020	PCB	PCB 209	n/a	=	0.0739	µg/L	EPA 608.3	-88	-88			
2019/20-3	Lab	srgt method blank, rec	3/24/2020	PCB	PCB 209	n/a	=	74	%	EPA 608.3	-88	-88	33	133	
2019/20-3	Lab	srgt LCS	3/24/2020	PCB	PCB 209	n/a	=	0.0827	µg/L	EPA 608.3	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/24/2020	PCB	PCB 209	n/a	=	83	%	EPA 608.3	-88	-88	33	133	
2019/20-3	Lab	srgt method blank	3/30/2020	PCB	PCB 209	n/a	=	0.0669	µg/L	EPA 608.3	-88	-88			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	srgt method blank, rec	3/30/2020	PCB	PCB 209	n/a	=	67	%	EPA 608.3	-88	-88	33	133	
2019/20-3	Lab	srgt LCS	3/30/2020	PCB	PCB 209	n/a	=	0.0748	µg/L	EPA 608.3	-88	-88			
2019/20-3	Lab	srgt LCS, rec	3/30/2020	PCB	PCB 209	n/a	=	75	%	EPA 608.3	-88	-88	33	133	
2019/20-3	ME-CC	srgt environ	3/30/2020	PCB	PCB 209	n/a	=	0.0601	µg/L	EPA 608.3	-88	-88			
2019/20-3	ME-CC	srgt environ, rec	3/30/2020	PCB	PCB 209	n/a	=	60	%	EPA 608.3	-88	-88	34	125	
2019/20-3	MO-FIL	srgt environ	3/25/2020	PCB	PCB 209	n/a	=	0.0356	µg/L	EPA 608.3	-88	-88			
2019/20-3	MO-FIL	srgt environ, rec	3/25/2020	PCB	PCB 209	n/a	=	36	%	EPA 608.3	-88	-88	34	125	
2019/20-3	MO-OXN	srgt environ	3/25/2020	PCB	PCB 209	n/a	=	0.026	µg/L	EPA 608.3	-88	-88			GN
2019/20-3	MO-OXN	srgt environ, rec	3/25/2020	PCB	PCB 209	n/a	=	26	%	EPA 608.3	-88	-88	34	125	GN
2019/20-3	MO-SIM	srgt environ	3/25/2020	PCB	PCB 209	n/a	=	0.0449	µg/L	EPA 608.3	-88	-88			
2019/20-3	MO-SIM	srgt environ, rec	3/25/2020	PCB	PCB 209	n/a	=	45	%	EPA 608.3	-88	-88	34	125	
2019/20-3	MO-VEN	srgt environ	3/30/2020	PCB	PCB 209	n/a	=	0.0418	µg/L	EPA 608.3	-88	-88			
2019/20-3	MO-VEN	srgt environ, rec	3/30/2020	PCB	PCB 209	n/a	=	42	%	EPA 608.3	-88	-88	34	125	
2019/20-3	Lab	method blank	3/24/2020	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-3	Lab	method blank	3/30/2020	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-3	Lab	method blank	3/24/2020	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-3	Lab	method blank	3/30/2020	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-3	Lab	method blank	3/24/2020	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-3	Lab	method blank	3/30/2020	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-3	Lab	method blank	3/24/2020	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-3	Lab	method blank	3/30/2020	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-3	Lab	method blank	3/24/2020	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-3	Lab	method blank	3/30/2020	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-3	Lab	method blank	3/24/2020	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			
2019/20-3	Lab	method blank	3/30/2020	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			
2019/20-3	Lab	method blank	3/24/2020	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-3	Lab	method blank	3/30/2020	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-3	Lab	method blank	3/17/2020	Pesticide	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	2,4,5-T	n/a	=	3.64	µg/L	EPA 515.4	0.055	0.2			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	2,4,5-T	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	2,4,5-T	n/a	=	3.9	µg/L	EPA 515.4	0.055	0.2			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	2,4,5-T	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	2,4,5-T	n/a	=	3.57	µg/L	EPA 515.4	0.055	0.2			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	2,4,5-T	n/a	=	89	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	2,4,5-T	n/a	=	9	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	2,4,5-TP	n/a	=	3.69	µg/L	EPA 515.4	0.046	0.2			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	2,4,5-TP	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	2,4,5-TP	n/a	=	3.74	µg/L	EPA 515.4	0.046	0.2			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	2,4,5-TP	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	2,4,5-TP	n/a	=	3.71	µg/L	EPA 515.4	0.046	0.2			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	2,4,5-TP	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	2,4,5-TP	n/a	=	0.9	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	2,4-D	n/a	=	7.25	µg/L	EPA 515.4	0.14	0.4			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	2,4-D	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	2,4-D	n/a	=	7.69	µg/L	EPA 515.4	0.14	0.4			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	2,4-D	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	2,4-D	n/a	=	7.78	µg/L	EPA 515.4	0.14	0.4			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	2,4-D	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	2,4-D	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	2,4-DB	n/a	=	14.6	µg/L	EPA 515.4	0.19	2			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	2,4-DB	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	2,4-DB	n/a	=	21.5	µg/L	EPA 515.4	0.19	2			GB
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	2,4-DB	n/a	=	135	%	EPA 515.4	-88	-88	70	130	GB
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	2,4-DB	n/a	=	19.7	µg/L	EPA 515.4	0.19	2			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	2,4-DB	n/a	=	123	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	2,4-DB	n/a	=	9	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.52	µg/L	EPA 515.4	0.12	1			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.85	µg/L	EPA 515.4	0.12	1			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.76	µg/L	EPA 515.4	0.12	1			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.594	µg/L	EPA 608.3	0.035	2.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	4,4'-DDD	n/a	=	59	%	EPA 608.3	-88	-88	31	141	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.584	µg/L	EPA 608.3	0.035	2.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	4,4'-DDD	n/a	=	58	%	EPA 608.3	-88	-88	31	141	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	4,4'-DDD	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	4,4'-DDD	n/a	=	0.0805	µg/L	EPA 608.3	0.0007	0.05			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	4,4'-DDD	n/a	=	80	%	EPA 608.3	-88	-88	48	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	4,4'-DDD	n/a	=	0.0703	µg/L	EPA 608.3	0.0007	0.05			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	4,4'-DDD	n/a	=	70	%	EPA 608.3	-88	-88	48	130	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.545	µg/L	EPA 608.3	0.035	2.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	4,4'-DDE	n/a	=	54	%	EPA 608.3	-88	-88	30	145	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.556	µg/L	EPA 608.3	0.035	2.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	4,4'-DDE	n/a	=	56	%	EPA 608.3	-88	-88	30	145	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	4,4'-DDE	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	4,4'-DDE	n/a	=	0.0783	µg/L	EPA 608.3	0.0007	0.05			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	4,4'-DDE	n/a	=	78	%	EPA 608.3	-88	-88	54	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	4,4'-DDE	n/a	=	0.0713	µg/L	EPA 608.3	0.0007	0.05			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	4,4'-DDE	n/a	=	71	%	EPA 608.3	-88	-88	54	130	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	4,4'-DDT	n/a	DNQ	0.454	µg/L	EPA 608.3	0.055	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	4,4'-DDT	n/a	=	45	%	EPA 608.3	-88	-88	25	160	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	4,4'-DDT	n/a	DNQ	0.373	µg/L	EPA 608.3	0.055	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	4,4'-DDT	n/a	=	37	%	EPA 608.3	-88	-88	25	160	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	4,4'-DDT	n/a	=	20	%	EPA 608.3	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	4,4'-DDT	n/a	=	0.0813	µg/L	EPA 608.3	0.0011	0.01			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	4,4'-DDT	n/a	=	81	%	EPA 608.3	-88	-88	46	137	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	4,4'-DDT	n/a	=	0.0716	µg/L	EPA 608.3	0.0011	0.01			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	4,4'-DDT	n/a	=	72	%	EPA 608.3	-88	-88	46	137	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Acifluorfen	n/a	=	3.66	µg/L	EPA 515.4	0.072	0.4			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Acifluorfen	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	Acifluorfen	n/a	=	4.14	µg/L	EPA 515.4	0.072	0.4			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	Acifluorfen	n/a	=	4.17	µg/L	EPA 515.4	0.072	0.4			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	Acifluorfen	n/a	=	0.7	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Alachlor	n/a	=	5.43	µg/L	EPA 525.2	0.022	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Alachlor	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Alachlor	n/a	=	5.52	µg/L	EPA 525.2	0.022	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Alachlor	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Aldrin	n/a	=	0.486	µg/L	EPA 608.3	0.05	0.25			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Aldrin	n/a	=	49	%	EPA 608.3	-88	-88	42	140	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Aldrin	n/a	=	0.518	µg/L	EPA 608.3	0.05	0.25			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Aldrin	n/a	=	52	%	EPA 608.3	-88	-88	42	140	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Aldrin	n/a	=	6	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Aldrin	n/a	=	0.0746	µg/L	EPA 608.3	0.001	0.005			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Aldrin	n/a	=	75	%	EPA 608.3	-88	-88	54	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Aldrin	n/a	=	0.0682	µg/L	EPA 608.3	0.001	0.005			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Aldrin	n/a	=	68	%	EPA 608.3	-88	-88	54	130	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	alpha-BHC	n/a	DNQ	0.487	µg/L	EPA 608.3	0.055	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	alpha-BHC	n/a	=	49	%	EPA 608.3	-88	-88	37	140	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	alpha-BHC	n/a	=	0.528	µg/L	EPA 608.3	0.055	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	alpha-BHC	n/a	=	53	%	EPA 608.3	-88	-88	37	140	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	alpha-BHC	n/a	=	8	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	alpha-BHC	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	alpha-BHC	n/a	=	0.076	µg/L	EPA 608.3	0.0011	0.01			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	alpha-BHC	n/a	=	76	%	EPA 608.3	-88	-88	49	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	alpha-BHC	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	alpha-BHC	n/a	=	0.0678	µg/L	EPA 608.3	0.0011	0.01			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	alpha-BHC	n/a	=	68	%	EPA 608.3	-88	-88	49	130	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			
2019/20-3	Lab	method blank	3/30/2020	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Atrazine	n/a	=	5.51	µg/L	EPA 525.2	0.034	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Atrazine	n/a	=	110	%	EPA 525.2	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Atrazine	n/a	=	5.8	µg/L	EPA 525.2	0.034	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Atrazine	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Atrazine	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Azinphos methyl	n/a	=	0.0626	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Azinphos methyl	n/a	=	125	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Azinphos methyl	n/a	=	3.64	µg/L	EPA 525.2m	0.28	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Azinphos methyl	n/a	=	146	%	EPA 525.2m	-88	-88	0.1	154	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Azinphos methyl	n/a	=	3.12	µg/L	EPA 525.2m	0.28	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Azinphos methyl	n/a	=	125	%	EPA 525.2m	-88	-88	0.1	154	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Azinphos methyl	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Bentazon	n/a	=	14.6	µg/L	EPA 515.4	0.23	2			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Bentazon	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	Bentazon	n/a	=	16	µg/L	EPA 515.4	0.23	2			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	Bentazon	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	Bentazon	n/a	=	14	µg/L	EPA 515.4	0.23	2			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	Bentazon	n/a	=	87	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	Bentazon	n/a	=	13	%	EPA 515.4	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	beta-BHC	n/a	=	0.508	µg/L	EPA 608.3	0.075	0.25			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	beta-BHC	n/a	=	51	%	EPA 608.3	-88	-88	17	147	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	beta-BHC	n/a	=	0.561	µg/L	EPA 608.3	0.075	0.25			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	beta-BHC	n/a	=	56	%	EPA 608.3	-88	-88	17	147	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	beta-BHC	n/a	=	10	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	beta-BHC	n/a	=	0.0786	µg/L	EPA 608.3	0.0015	0.005			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	beta-BHC	n/a	=	79	%	EPA 608.3	-88	-88	39	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	beta-BHC	n/a	=	0.0706	µg/L	EPA 608.3	0.0015	0.005			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	beta-BHC	n/a	=	71	%	EPA 608.3	-88	-88	39	130	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Bolstar	n/a	=	0.0589	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Bolstar	n/a	=	118	%	EPA 525.2m	-88	-88	11	166	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Bolstar	n/a	=	3	µg/L	EPA 525.2m	0.23	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Bolstar	n/a	=	120	%	EPA 525.2m	-88	-88	4	184	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Bolstar	n/a	=	2.93	µg/L	EPA 525.2m	0.23	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Bolstar	n/a	=	117	%	EPA 525.2m	-88	-88	4	184	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Bolstar	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Bromacil	n/a	=	5.31	µg/L	EPA 525.2	0.038	1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Bromacil	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Bromacil	n/a	=	5.27	µg/L	EPA 525.2	0.038	1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Bromacil	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Bromacil	n/a	=	0.9	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Butachlor	n/a	=	5.34	µg/L	EPA 525.2	0.017	0.2			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Butachlor	n/a	=	107	%	EPA 525.2	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Butachlor	n/a	=	5.51	µg/L	EPA 525.2	0.017	0.2			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Butachlor	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Butachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Captan	n/a	=	5.38	µg/L	EPA 525.2	0.86	1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Captan	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Captan	n/a	=	5.6	µg/L	EPA 525.2	0.86	1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Captan	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Captan	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Chloroprotham	n/a	=	5.5	µg/L	EPA 525.2	0.01	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Chloroprotham	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Chloroprotham	n/a	=	5.7	µg/L	EPA 525.2	0.01	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Chloroprotham	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Chloroprotham	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Chlorpyrifos	n/a	=	0.0684	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Chlorpyrifos	n/a	=	137	%	EPA 525.2m	-88	-88	37	169	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Chlorpyrifos	n/a	=	3.41	µg/L	EPA 525.2m	0.34	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Chlorpyrifos	n/a	=	136	%	EPA 525.2m	-88	-88	37	168	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Chlorpyrifos	n/a	=	2.97	µg/L	EPA 525.2m	0.34	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Chlorpyrifos	n/a	=	119	%	EPA 525.2m	-88	-88	37	168	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Chlorpyrifos	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Coumaphos	n/a	=	0.0866	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Coumaphos	n/a	=	173	%	EPA 525.2m	-88	-88	0.1	225	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Coumaphos	n/a	=	4.09	µg/L	EPA 525.2m	0.26	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Coumaphos	n/a	=	164	%	EPA 525.2m	-88	-88	0.1	203	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Coumaphos	n/a	=	3.66	µg/L	EPA 525.2m	0.26	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Coumaphos	n/a	=	147	%	EPA 525.2m	-88	-88	0.1	203	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Coumaphos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Cyanazine	n/a	=	5.6	µg/L	EPA 525.2	0.024	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Cyanazine	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Cyanazine	n/a	=	5.65	µg/L	EPA 525.2	0.024	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Cyanazine	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Cyanazine	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Dalapon	n/a	=	7.49	µg/L	EPA 515.4	0.11	0.4			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Dalapon	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	Dalapon	n/a	=	6.25	µg/L	EPA 515.4	0.11	0.4			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	Dalapon	n/a	=	78	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	Dalapon	n/a	=	6.44	µg/L	EPA 515.4	0.11	0.4			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	Dalapon	n/a	=	80	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	Dalapon	n/a	=	3	%	EPA 515.4	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.71	µg/L	EPA 515.4	0.053	0.1			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	DCPA (Dacthal)	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.58	µg/L	EPA 515.4	0.053	0.1			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	DCPA (Dacthal)	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.52	µg/L	EPA 515.4	0.053	0.1			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	DCPA (Dacthal)	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	DCPA (Dacthal)	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	delta-BHC	n/a	=	0.656	µg/L	EPA 608.3	0.095	0.25			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	delta-BHC	n/a	=	66	%	EPA 608.3	-88	-88	19	140	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	delta-BHC	n/a	=	0.718	µg/L	EPA 608.3	0.095	0.25			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	delta-BHC	n/a	=	72	%	EPA 608.3	-88	-88	19	140	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	delta-BHC	n/a	=	9	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	delta-BHC	n/a	=	0.0826	µg/L	EPA 608.3	0.0019	0.005			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	delta-BHC	n/a	=	83	%	EPA 608.3	-88	-88	51	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	delta-BHC	n/a	=	0.0731	µg/L	EPA 608.3	0.0019	0.005			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	delta-BHC	n/a	=	73	%	EPA 608.3	-88	-88	51	130	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Demeton-O	n/a	=	0.0397	µg/L	EPA 525.2m	0.01	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Demeton-O	n/a	=	79	%	EPA 525.2m	-88	-88	0.1	211	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Demeton-O	n/a	=	1.97	µg/L	EPA 525.2m	0.5	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Demeton-O	n/a	=	79	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Demeton-O	n/a	=	1.93	µg/L	EPA 525.2m	0.5	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Demeton-O	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Demeton-O	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Demeton-S	n/a	=	0.0652	µg/L	EPA 525.2m	0.01	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Demeton-S	n/a	=	130	%	EPA 525.2m	-88	-88	0.1	213	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Demeton-S	n/a	=	2.88	µg/L	EPA 525.2m	0.5	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Demeton-S	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	207	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Demeton-S	n/a	=	2.64	µg/L	EPA 525.2m	0.5	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Demeton-S	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	207	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Demeton-S	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Diazinon	n/a	=	4.5	µg/L	EPA 525.2	0.096	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Diazinon	n/a	=	4.79	µg/L	EPA 525.2	0.096	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Diazinon	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Diazinon	n/a	=	0.0485	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Diazinon	n/a	=	97	%	EPA 525.2m	-88	-88	43	152	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Diazinon	n/a	=	2.26	µg/L	EPA 525.2m	0.26	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2m	-88	-88	36	153	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Diazinon	n/a	=	2.06	µg/L	EPA 525.2m	0.26	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Diazinon	n/a	=	82	%	EPA 525.2m	-88	-88	36	153	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Diazinon	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Dicamba	n/a	=	7.59	µg/L	EPA 515.4	0.075	0.6			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Dicamba	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	Dicamba	n/a	=	8.05	µg/L	EPA 515.4	0.075	0.6			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	Dicamba	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	Dicamba	n/a	=	7.77	µg/L	EPA 515.4	0.075	0.6			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	Dicamba	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	Dicamba	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Dichlorprop	n/a	=	7.65	µg/L	EPA 515.4	0.12	0.3			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Dichlorprop	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	Dichlorprop	n/a	=	8	µg/L	EPA 515.4	0.12	0.3			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	Dichlorprop	n/a	=	7.87	µg/L	EPA 515.4	0.12	0.3			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	Dichlorprop	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Dichlorvos	n/a	=	0.0519	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Dichlorvos	n/a	=	104	%	EPA 525.2m	-88	-88	46	133	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Dichlorvos	n/a	=	2.04	µg/L	EPA 525.2m	0.14	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Dichlorvos	n/a	=	82	%	EPA 525.2m	-88	-88	42	137	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Dichlorvos	n/a	=	1.92	µg/L	EPA 525.2m	0.14	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Dichlorvos	n/a	=	77	%	EPA 525.2m	-88	-88	42	137	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Dichlorvos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Dieldrin	n/a	=	0.613	µg/L	EPA 608.3	0.04	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Dieldrin	n/a	=	61	%	EPA 608.3	-88	-88	36	146	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Dieldrin	n/a	=	0.633	µg/L	EPA 608.3	0.04	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Dieldrin	n/a	=	63	%	EPA 608.3	-88	-88	36	146	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Dieldrin	n/a	=	3	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Dieldrin	n/a	=	0.0777	µg/L	EPA 608.3	0.0008	0.01			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Dieldrin	n/a	=	78	%	EPA 608.3	-88	-88	58	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Dieldrin	n/a	=	0.0716	µg/L	EPA 608.3	0.0008	0.01			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Dieldrin	n/a	=	72	%	EPA 608.3	-88	-88	58	130	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Dimethoate	n/a	=	4.9	µg/L	EPA 525.2	0.024	0.2			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Dimethoate	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Dimethoate	n/a	=	5.33	µg/L	EPA 525.2	0.024	0.2			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Dimethoate	n/a	=	107	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Dimethoate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Dimethoate	n/a	=	0.0555	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Dimethoate	n/a	=	111	%	EPA 525.2m	-88	-88	10	234	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Dimethoate	n/a	=	2.96	µg/L	EPA 525.2m	0.31	0.5			IL

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Dimethoate	n/a	=	118	%	EPA 525.2m	-88	-88	4	222	IL
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Dimethoate	n/a	=	1.79	µg/L	EPA 525.2m	0.31	0.5			IL
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Dimethoate	n/a	=	72	%	EPA 525.2m	-88	-88	4	222	IL
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Dimethoate	n/a	=	49	%	EPA 525.2m	-88	-88	0	30	IL
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Dinoseb	n/a	=	3.61	µg/L	EPA 515.4	0.055	0.4			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Dinoseb	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	Dinoseb	n/a	=	3.82	µg/L	EPA 515.4	0.055	0.4			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	Dinoseb	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	Dinoseb	n/a	=	3.97	µg/L	EPA 515.4	0.055	0.4			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	Dinoseb	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	Dinoseb	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Diphenamid	n/a	=	5.72	µg/L	EPA 525.2	0.024	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Diphenamid	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Diphenamid	n/a	=	5.84	µg/L	EPA 525.2	0.024	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Diphenamid	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Disulfoton	n/a	=	4.74	µg/L	EPA 525.2	0.031	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Disulfoton	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Disulfoton	n/a	=	4.64	µg/L	EPA 525.2	0.031	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Disulfoton	n/a	=	93	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Disulfoton	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Disulfoton	n/a	=	0.0459	µg/L	EPA 525.2m	0.01	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Disulfoton	n/a	=	92	%	EPA 525.2m	-88	-88	0.1	212	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Disulfoton	n/a	=	2.11	µg/L	EPA 525.2m	0.5	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Disulfoton	n/a	=	84	%	EPA 525.2m	-88	-88	12	199	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Disulfoton	n/a	=	2.04	µg/L	EPA 525.2m	0.5	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Disulfoton	n/a	=	82	%	EPA 525.2m	-88	-88	12	199	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Endosulfan I	n/a	DNQ	0.576	µg/L	EPA 608.3	0.045	1			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Endosulfan I	n/a	=	58	%	EPA 608.3	-88	-88	45	153	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Endosulfan I	n/a	DNQ	0.553	µg/L	EPA 608.3	0.045	1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Endosulfan I	n/a	=	55	%	EPA 608.3	-88	-88	45	153	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Endosulfan I	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Endosulfan I	n/a	=	0.0766	µg/L	EPA 608.3	0.0009	0.02			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Endosulfan I	n/a	=	77	%	EPA 608.3	-88	-88	57	141	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Endosulfan I	n/a	=	0.07	µg/L	EPA 608.3	0.0009	0.02			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Endosulfan I	n/a	=	70	%	EPA 608.3	-88	-88	57	141	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Endosulfan II	n/a	=	0.615	µg/L	EPA 608.3	0.035	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Endosulfan II	n/a	=	62	%	EPA 608.3	-88	-88	17	202	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Endosulfan II	n/a	=	0.589	µg/L	EPA 608.3	0.035	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Endosulfan II	n/a	=	59	%	EPA 608.3	-88	-88	17	202	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Endosulfan II	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Endosulfan II	n/a	=	0.0802	µg/L	EPA 608.3	0.0007	0.01			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Endosulfan II	n/a	=	80	%	EPA 608.3	-88	-88	22	171	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Endosulfan II	n/a	=	0.0725	µg/L	EPA 608.3	0.0007	0.01			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Endosulfan II	n/a	=	72	%	EPA 608.3	-88	-88	22	171	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.433	µg/L	EPA 608.3	0.065	2.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Endosulfan sulfate	n/a	=	43	%	EPA 608.3	-88	-88	26	144	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.435	µg/L	EPA 608.3	0.065	2.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Endosulfan sulfate	n/a	=	43	%	EPA 608.3	-88	-88	26	144	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Endosulfan sulfate	n/a	=	0.5	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Endosulfan sulfate	n/a	=	0.0864	µg/L	EPA 608.3	0.0013	0.05			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Endosulfan sulfate	n/a	=	86	%	EPA 608.3	-88	-88	38	132	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Endosulfan sulfate	n/a	=	0.077	µg/L	EPA 608.3	0.0013	0.05			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Endosulfan sulfate	n/a	=	77	%	EPA 608.3	-88	-88	38	132	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Endrin	n/a	=	0.747	µg/L	EPA 608.3	0.085	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Endrin	n/a	=	75	%	EPA 608.3	-88	-88	30	147	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Endrin	n/a	=	0.776	µg/L	EPA 608.3	0.085	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Endrin	n/a	=	78	%	EPA 608.3	-88	-88	30	147	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Endrin	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Endrin	n/a	=	0.0975	µg/L	EPA 608.3	0.0017	0.01			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Endrin	n/a	=	98	%	EPA 608.3	-88	-88	51	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Endrin	n/a	=	0.0847	µg/L	EPA 608.3	0.0017	0.01			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Endrin	n/a	=	85	%	EPA 608.3	-88	-88	51	130	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Endrin aldehyde	n/a	DNQ	0.339	µg/L	EPA 608.3	0.095	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Endrin aldehyde	n/a	=	34	%	EPA 608.3	-88	-88	11	140	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Endrin aldehyde	n/a	DNQ	0.365	µg/L	EPA 608.3	0.095	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Endrin aldehyde	n/a	=	37	%	EPA 608.3	-88	-88	11	140	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Endrin aldehyde	n/a	=	7	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Endrin aldehyde	n/a	=	0.0766	µg/L	EPA 608.3	0.0019	0.01			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Endrin aldehyde	n/a	=	77	%	EPA 608.3	-88	-88	18	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Endrin aldehyde	n/a	=	0.0665	µg/L	EPA 608.3	0.0019	0.01			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Endrin aldehyde	n/a	=	66	%	EPA 608.3	-88	-88	18	130	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	EPTC	n/a	=	5.48	µg/L	EPA 525.2	0.017	1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	EPTC	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	EPTC	n/a	=	5.72	µg/L	EPA 525.2	0.017	1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	EPTC	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Ethoprop	n/a	=	0.0594	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Ethoprop	n/a	=	119	%	EPA 525.2m	-88	-88	53	163	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Ethoprop	n/a	=	2.86	µg/L	EPA 525.2m	0.34	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Ethoprop	n/a	=	114	%	EPA 525.2m	-88	-88	51	167	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Ethoprop	n/a	=	2.49	µg/L	EPA 525.2m	0.34	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Ethoprop	n/a	=	100	%	EPA 525.2m	-88	-88	51	167	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Ethoprop	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Ethyl parathion	n/a	=	0.0788	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Ethyl parathion	n/a	=	158	%	EPA 525.2m	-88	-88	7	230	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Ethyl parathion	n/a	=	3.56	µg/L	EPA 525.2m	0.27	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Ethyl parathion	n/a	=	142	%	EPA 525.2m	-88	-88	5	229	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Ethyl parathion	n/a	=	3.2	µg/L	EPA 525.2m	0.27	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Ethyl parathion	n/a	=	128	%	EPA 525.2m	-88	-88	5	229	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Ethyl parathion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Fensulfothion	n/a	=	0.0738	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Fensulfothion	n/a	=	148	%	EPA 525.2m	-88	-88	0.1	265	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Fensulfothion	n/a	=	3.37	µg/L	EPA 525.2m	0.14	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Fensulfothion	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	316	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Fensulfothion	n/a	=	2.58	µg/L	EPA 525.2m	0.14	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Fensulfothion	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	316	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Fensulfothion	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Fenthion	n/a	=	0.0581	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Fenthion	n/a	=	116	%	EPA 525.2m	-88	-88	20	177	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Fenthion	n/a	=	2.86	µg/L	EPA 525.2m	0.19	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Fenthion	n/a	=	115	%	EPA 525.2m	-88	-88	23	169	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Fenthion	n/a	=	2.6	µg/L	EPA 525.2m	0.19	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Fenthion	n/a	=	104	%	EPA 525.2m	-88	-88	23	169	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Fenthion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.574	µg/L	EPA 608.3	0.02	1			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	57	%	EPA 608.3	-88	-88	32	140	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.619	µg/L	EPA 608.3	0.02	1			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	62	%	EPA 608.3	-88	-88	32	140	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	8	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0775	µg/L	EPA 608.3	0.0004	0.02			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	78	%	EPA 608.3	-88	-88	43	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0693	µg/L	EPA 608.3	0.0004	0.02			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	69	%	EPA 608.3	-88	-88	43	130	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-3	Lab	method blank	3/30/2020	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-3	000NONPJ	matrix spike	3/12/2020	Pesticide	Glyphosate	n/a	=	12.7	µg/L	EPA 547	1.8	5			
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Pesticide	Glyphosate	n/a	=	51	%	EPA 547	-88	-88	41	149	
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Pesticide	Glyphosate	n/a	=	13.4	µg/L	EPA 547	1.8	5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Pesticide	Glyphosate	n/a	=	54	%	EPA 547	-88	-88	41	149	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Pesticide	Glyphosate	n/a	=	5	%	EPA 547	-88	-88	0	30	
2019/20-3	000NONPJ	matrix spike	3/12/2020	Pesticide	Glyphosate	n/a	=	19.3	µg/L	EPA 547	1.8	5			
2019/20-3	000NONPJ	matrix spike, rec	3/12/2020	Pesticide	Glyphosate	n/a	=	77	%	EPA 547	-88	-88	41	149	
2019/20-3	000NONPJ	matrix spike dup	3/12/2020	Pesticide	Glyphosate	n/a	=	19.4	µg/L	EPA 547	1.8	5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/12/2020	Pesticide	Glyphosate	n/a	=	77	%	EPA 547	-88	-88	41	149	
2019/20-3	000NONPJ	matrix spike, RPD	3/12/2020	Pesticide	Glyphosate	n/a	=	0.2	%	EPA 547	-88	-88	0	30	
2019/20-3	Lab	method blank	3/12/2020	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2019/20-3	Lab	LCS	3/12/2020	Pesticide	Glyphosate	n/a	=	23.6	µg/L	EPA 547	1.8	5			
2019/20-3	Lab	LCS, rec	3/12/2020	Pesticide	Glyphosate	n/a	=	94	%	EPA 547	-88	-88	70	130	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Heptachlor	n/a	=	0.544	µg/L	EPA 608.3	0.03	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Heptachlor	n/a	=	54	%	EPA 608.3	-88	-88	34	140	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Heptachlor	n/a	=	0.56	µg/L	EPA 608.3	0.03	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Heptachlor	n/a	=	56	%	EPA 608.3	-88	-88	34	140	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Heptachlor	n/a	=	3	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Heptachlor	n/a	=	0.0814	µg/L	EPA 608.3	0.0006	0.01			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Heptachlor	n/a	=	81	%	EPA 608.3	-88	-88	43	130	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Heptachlor	n/a	=	0.0706	µg/L	EPA 608.3	0.0006	0.01			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Heptachlor	n/a	=	71	%	EPA 608.3	-88	-88	43	130	
2019/20-3	000NONPJ	matrix spike	3/24/2020	Pesticide	Heptachlor epoxide	n/a	=	0.618	µg/L	EPA 608.3	0.02	0.5			
2019/20-3	000NONPJ	matrix spike, rec	3/24/2020	Pesticide	Heptachlor epoxide	n/a	=	62	%	EPA 608.3	-88	-88	37	142	
2019/20-3	000NONPJ	matrix spike dup	3/24/2020	Pesticide	Heptachlor epoxide	n/a	=	0.614	µg/L	EPA 608.3	0.02	0.5			
2019/20-3	000NONPJ	matrix spike dup, rec	3/24/2020	Pesticide	Heptachlor epoxide	n/a	=	61	%	EPA 608.3	-88	-88	37	142	
2019/20-3	000NONPJ	matrix spike, RPD	3/24/2020	Pesticide	Heptachlor epoxide	n/a	=	0.6	%	EPA 608.3	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-3	Lab	LCS	3/24/2020	Pesticide	Heptachlor epoxide	n/a	=	0.0785	µg/L	EPA 608.3	0.0004	0.01			
2019/20-3	Lab	LCS, rec	3/24/2020	Pesticide	Heptachlor epoxide	n/a	=	79	%	EPA 608.3	-88	-88	57	132	
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-3	Lab	LCS	3/30/2020	Pesticide	Heptachlor epoxide	n/a	=	0.073	µg/L	EPA 608.3	0.0004	0.01			
2019/20-3	Lab	LCS, rec	3/30/2020	Pesticide	Heptachlor epoxide	n/a	=	73	%	EPA 608.3	-88	-88	57	132	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Malathion	n/a	=	0.0785	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Malathion	n/a	=	157	%	EPA 525.2m	-88	-88	14	175	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Malathion	n/a	=	3.85	µg/L	EPA 525.2m	0.38	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Malathion	n/a	=	154	%	EPA 525.2m	-88	-88	6	184	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Malathion	n/a	=	3.37	µg/L	EPA 525.2m	0.38	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Malathion	n/a	=	135	%	EPA 525.2m	-88	-88	6	184	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Malathion	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Merphos	n/a	=	0.123	µg/L	EPA 525.2m	0.0058	0.01			EUM
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Merphos	n/a	=	246	%	EPA 525.2m	-88	-88	28	181	EUM
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Merphos	n/a	=	5.27	µg/L	EPA 525.2m	0.29	0.5			GB
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Merphos	n/a	=	211	%	EPA 525.2m	-88	-88	3	210	GB
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Merphos	n/a	=	5.29	µg/L	EPA 525.2m	0.29	0.5			GB
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Merphos	n/a	=	212	%	EPA 525.2m	-88	-88	3	210	GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Merphos	n/a	=	0.4	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Methyl parathion	n/a	=	0.0776	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Methyl parathion	n/a	=	155	%	EPA 525.2m	-88	-88	0.1	252	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Methyl parathion	n/a	=	3.57	µg/L	EPA 525.2m	0.32	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Methyl parathion	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Methyl parathion	n/a	=	3.07	µg/L	EPA 525.2m	0.32	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Methyl parathion	n/a	=	123	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Methyl parathion	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Metolachlor	n/a	=	5.3	µg/L	EPA 525.2	0.012	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Metolachlor	n/a	=	106	%	EPA 525.2	-88	-88	60	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Metolachlor	n/a	=	5.47	µg/L	EPA 525.2	0.012	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Metolachlor	n/a	=	109	%	EPA 525.2	-88	-88	60	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Metribuzin	n/a	=	4.96	µg/L	EPA 525.2	0.015	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Metribuzin	n/a	=	99	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Metribuzin	n/a	=	5.04	µg/L	EPA 525.2	0.015	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Metribuzin	n/a	=	101	%	EPA 525.2	-88	-88	50	120	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Metribuzin	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Mevinphos	n/a	=	0.0453	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Mevinphos	n/a	=	91	%	EPA 525.2m	-88	-88	14	202	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Mevinphos	n/a	=	2.39	µg/L	EPA 525.2m	0.21	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Mevinphos	n/a	=	96	%	EPA 525.2m	-88	-88	25	189	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Mevinphos	n/a	=	1.98	µg/L	EPA 525.2m	0.21	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Mevinphos	n/a	=	79	%	EPA 525.2m	-88	-88	25	189	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Mevinphos	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Molinate	n/a	=	5.49	µg/L	EPA 525.2	0.039	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Molinate	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Molinate	n/a	=	5.74	µg/L	EPA 525.2	0.039	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Molinate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Molinate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/31/2020	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-3	Lab	LCS	3/31/2020	Pesticide	Naled	n/a	=	0.165	µg/L	EPA 525.2m	0.0076	0.01			EUM
2019/20-3	Lab	LCS, rec	3/31/2020	Pesticide	Naled	n/a	=	330	%	EPA 525.2m	-88	-88	0.1	240	EUM
2019/20-3	MO-VEN	matrix spike	4/1/2020	Pesticide	Naled	n/a	=	10.7	µg/L	EPA 525.2m	0.38	0.5			GB
2019/20-3	MO-VEN	matrix spike, rec	4/1/2020	Pesticide	Naled	n/a	=	427	%	EPA 525.2m	-88	-88	0.1	242	GB
2019/20-3	MO-VEN	matrix spike dup	4/1/2020	Pesticide	Naled	n/a	=	9.07	µg/L	EPA 525.2m	0.38	0.5			GB
2019/20-3	MO-VEN	matrix spike dup, rec	4/1/2020	Pesticide	Naled	n/a	=	363	%	EPA 525.2m	-88	-88	0.1	242	GB
2019/20-3	MO-VEN	matrix spike, RPD	4/1/2020	Pesticide	Naled	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	GB
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	7.86	µg/L	EPA 8270C	0.15	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	79	%	EPA 8270C	-88	-88	29	106	
2019/20-3	Lab	LCS dup	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	9.46	µg/L	EPA 8270C	0.15	1			
2019/20-3	Lab	LCS dup, rec	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 8270C	-88	-88	29	106	
2019/20-3	Lab	LCS, RPD	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	19	%	EPA 8270C	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	3.85	µg/L	EPA 515.4	0.046	0.2			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-3	Lab	method blank	3/18/2020	Pesticide	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1			
2019/20-3	Lab	LCS	3/18/2020	Pesticide	Pentachlorophenol	n/a	=	24.6	µg/L	EPA 625.1	0.4	1			
2019/20-3	Lab	LCS, rec	3/18/2020	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 625.1	-88	-88	41	120	
2019/20-3	Lab	LCS dup	3/18/2020	Pesticide	Pentachlorophenol	n/a	=	26.7	µg/L	EPA 625.1	0.4	1			
2019/20-3	Lab	LCS dup, rec	3/18/2020	Pesticide	Pentachlorophenol	n/a	=	107	%	EPA 625.1	-88	-88	41	120	
2019/20-3	Lab	LCS, RPD	3/18/2020	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	4.02	µg/L	EPA 515.4	0.046	0.2			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	3.72	µg/L	EPA 515.4	0.046	0.2			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Phorate	n/a	=	0.0627	µg/L	EPA 525.2m	0.003	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Phorate	n/a	=	125	%	EPA 525.2m	-88	-88	26	180	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Phorate	n/a	=	2.97	µg/L	EPA 525.2m	0.15	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Phorate	n/a	=	119	%	EPA 525.2m	-88	-88	31	181	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Phorate	n/a	=	2.7	µg/L	EPA 525.2m	0.15	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Phorate	n/a	=	108	%	EPA 525.2m	-88	-88	31	181	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Phorate	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/17/2020	Pesticide	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6			
2019/20-3	Lab	LCS	3/17/2020	Pesticide	Picloram	n/a	=	3.62	µg/L	EPA 515.4	0.038	0.6			
2019/20-3	Lab	LCS, rec	3/17/2020	Pesticide	Picloram	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike	3/17/2020	Pesticide	Picloram	n/a	=	3.8	µg/L	EPA 515.4	0.038	0.6			
2019/20-3	ME-CC	matrix spike, rec	3/17/2020	Pesticide	Picloram	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike dup	3/17/2020	Pesticide	Picloram	n/a	=	3.91	µg/L	EPA 515.4	0.038	0.6			
2019/20-3	ME-CC	matrix spike dup, rec	3/17/2020	Pesticide	Picloram	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-3	ME-CC	matrix spike, RPD	3/17/2020	Pesticide	Picloram	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Prometon	n/a	=	2.88	µg/L	EPA 525.2	0.024	0.2			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Prometon	n/a	=	58	%	EPA 525.2	-88	-88	15	120	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Prometon	n/a	=	3.36	µg/L	EPA 525.2	0.024	0.2			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Prometon	n/a	=	67	%	EPA 525.2	-88	-88	15	120	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Prometon	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Prometryn	n/a	=	4.3	µg/L	EPA 525.2	0.036	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Prometryn	n/a	=	86	%	EPA 525.2	-88	-88	30	120	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Prometryn	n/a	=	4.53	µg/L	EPA 525.2	0.036	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Prometryn	n/a	=	91	%	EPA 525.2	-88	-88	30	120	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Prometryn	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.062	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	124	%	EPA 525.2m	-88	-88	34	154	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	2.96	µg/L	EPA 525.2m	0.2	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	118	%	EPA 525.2m	-88	-88	29	153	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	2.62	µg/L	EPA 525.2m	0.2	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	105	%	EPA 525.2m	-88	-88	29	153	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Simazine	n/a	=	4.67	µg/L	EPA 525.2	0.015	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Simazine	n/a	=	93	%	EPA 525.2	-88	-88	60	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Simazine	n/a	=	4.83	µg/L	EPA 525.2	0.015	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Simazine	n/a	=	97	%	EPA 525.2	-88	-88	60	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Simazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0961	µg/L	EPA 525.2m	0.0031	0.01			EUM
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	192	%	EPA 525.2m	-88	-88	0.1	188	EUM
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	4.63	µg/L	EPA 525.2m	0.16	0.5			GB
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	185	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	3.89	µg/L	EPA 525.2m	0.16	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	156	%	EPA 525.2m	-88	-88	0.1	167	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Terbacil	n/a	=	5.39	µg/L	EPA 525.2	0.55	2			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Terbacil	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Terbacil	n/a	=	5.81	µg/L	EPA 525.2	0.55	2			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Terbacil	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Terbacil	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Thiobencarb	n/a	=	5.3	µg/L	EPA 525.2	0.025	0.2			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Thiobencarb	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Thiobencarb	n/a	=	5.5	µg/L	EPA 525.2	0.025	0.2			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Thiobencarb	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Thiobencarb	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Tokuthion	n/a	=	0.0611	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Tokuthion	n/a	=	122	%	EPA 525.2m	-88	-88	23	159	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Tokuthion	n/a	=	3.04	µg/L	EPA 525.2m	0.39	0.5			
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Tokuthion	n/a	=	122	%	EPA 525.2m	-88	-88	27	160	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Tokuthion	n/a	=	2.93	µg/L	EPA 525.2m	0.39	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Tokuthion	n/a	=	117	%	EPA 525.2m	-88	-88	27	160	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Tokuthion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-3	Lab	method blank	3/30/2020	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-3	Lab	method blank	3/24/2020	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-3	Lab	LCS	3/25/2020	Pesticide	Trichloronate	n/a	=	0.0674	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-3	Lab	LCS, rec	3/25/2020	Pesticide	Trichloronate	n/a	=	135	%	EPA 525.2m	-88	-88	34	153	
2019/20-3	MO-VEN	matrix spike	3/24/2020	Pesticide	Trichloronate	n/a	=	3.23	µg/L	EPA 525.2m	0.34	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-3	MO-VEN	matrix spike, rec	3/24/2020	Pesticide	Trichloronate	n/a	=	129	%	EPA 525.2m	-88	-88	40	150	
2019/20-3	MO-VEN	matrix spike dup	3/24/2020	Pesticide	Trichloronate	n/a	=	2.84	µg/L	EPA 525.2m	0.34	0.5			
2019/20-3	MO-VEN	matrix spike dup, rec	3/24/2020	Pesticide	Trichloronate	n/a	=	114	%	EPA 525.2m	-88	-88	40	150	
2019/20-3	MO-VEN	matrix spike, RPD	3/24/2020	Pesticide	Trichloronate	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2019/20-3	Lab	method blank	3/19/2020	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-3	Lab	LCS	3/19/2020	Pesticide	Trithion	n/a	=	5.02	µg/L	EPA 525.2	0.012	0.1			
2019/20-3	Lab	LCS, rec	3/19/2020	Pesticide	Trithion	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS dup	3/19/2020	Pesticide	Trithion	n/a	=	5.17	µg/L	EPA 525.2	0.012	0.1			
2019/20-3	Lab	LCS dup, rec	3/19/2020	Pesticide	Trithion	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-3	Lab	LCS, RPD	3/19/2020	Pesticide	Trithion	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-4	000NONPJ	matrix spike	4/7/2020	Anion	Chloride	n/a	=	238	mg/L	EPA 300.0	0.85	5			DG
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	DG
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Anion	Chloride	n/a	=	239	mg/L	EPA 300.0	0.85	5			DG
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	DG
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	DG
2019/20-4	000NONPJ	matrix spike	4/7/2020	Anion	Chloride	n/a	=	217	mg/L	EPA 300.0	0.85	5			DG
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Anion	Chloride	n/a	=	91	%	EPA 300.0	-88	-88	76	118	DG
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Anion	Chloride	n/a	=	216	mg/L	EPA 300.0	0.85	5			DG
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Anion	Chloride	n/a	=	91	%	EPA 300.0	-88	-88	76	118	DG
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	DG
2019/20-4	Lab	method blank	4/7/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-4	Lab	LCS	4/7/2020	Anion	Chloride	n/a	=	19.9	mg/L	EPA 300.0	0.085	0.5			
2019/20-4	Lab	LCS, rec	4/7/2020	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike	4/7/2020	Anion	Fluoride	n/a	=	18.5	mg/L	EPA 300.0	0.09	1			DG
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Anion	Fluoride	n/a	=	92	%	EPA 300.0	-88	-88	86	107	DG
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Anion	Fluoride	n/a	=	20	mg/L	EPA 300.0	0.09	1			DG
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	DG
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Anion	Fluoride	n/a	=	8	%	EPA 300.0	-88	-88	0	20	DG
2019/20-4	000NONPJ	matrix spike	4/7/2020	Anion	Fluoride	n/a	=	19	mg/L	EPA 300.0	0.09	1			DG
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Anion	Fluoride	n/a	=	94	%	EPA 300.0	-88	-88	86	107	DG
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Anion	Fluoride	n/a	=	18.1	mg/L	EPA 300.0	0.09	1			DG
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Anion	Fluoride	n/a	=	90	%	EPA 300.0	-88	-88	86	107	DG
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Anion	Fluoride	n/a	=	5	%	EPA 300.0	-88	-88	0	20	DG
2019/20-4	Lab	method blank	4/7/2020	Anion	Fluoride	n/a	<	0.009	mg/L	EPA 300.0	0.009	0.1			
2019/20-4	Lab	LCS	4/7/2020	Anion	Fluoride	n/a	=	2.03	mg/L	EPA 300.0	0.009	0.1			
2019/20-4	Lab	LCS, rec	4/7/2020	Anion	Fluoride	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike	4/8/2020	Anion	Perchlorate	n/a	=	10	µg/L	EPA 314.0	0.84	2			
2019/20-4	000NONPJ	matrix spike, rec	4/8/2020	Anion	Perchlorate	n/a	=	91	%	EPA 314.0	-88	-88	80	120	
2019/20-4	000NONPJ	matrix spike dup	4/8/2020	Anion	Perchlorate	n/a	=	10.3	µg/L	EPA 314.0	0.84	2			
2019/20-4	000NONPJ	matrix spike dup, rec	4/8/2020	Anion	Perchlorate	n/a	=	93	%	EPA 314.0	-88	-88	80	120	
2019/20-4	000NONPJ	matrix spike, RPD	4/8/2020	Anion	Perchlorate	n/a	=	3	%	EPA 314.0	-88	-88	0	15	
2019/20-4	Lab	method blank	4/8/2020	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-4	Lab	LCS	4/8/2020	Anion	Perchlorate	n/a	=	10.1	µg/L	EPA 314.0	0.84	2			
2019/20-4	Lab	LCS, rec	4/8/2020	Anion	Perchlorate	n/a	=	101	%	EPA 314.0	-88	-88	85	115	
2019/20-4	000NONPJ	matrix spike	4/7/2020	Anion	Sulfate	Total	=	247	mg/L	EPA 300.0	2.4	5			DG
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Anion	Sulfate	Total	=	97	%	EPA 300.0	-88	-88	78	111	DG
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Anion	Sulfate	Total	=	248	mg/L	EPA 300.0	2.4	5			DG

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Anion	Sulfate	Total	=	97	%	EPA 300.0	-88	-88	78	111	DG
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Anion	Sulfate	Total	=	0.5	%	EPA 300.0	-88	-88	0	20	DG
2019/20-4	000NONPJ	matrix spike	4/7/2020	Anion	Sulfate	Total	=	222	mg/L	EPA 300.0	2.4	5			DG
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Anion	Sulfate	Total	=	89	%	EPA 300.0	-88	-88	78	111	DG
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Anion	Sulfate	Total	=	222	mg/L	EPA 300.0	2.4	5			DG
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Anion	Sulfate	Total	=	89	%	EPA 300.0	-88	-88	78	111	DG
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Anion	Sulfate	Total	=	0.1	%	EPA 300.0	-88	-88	0	20	DG
2019/20-4	Lab	method blank	4/7/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-4	Lab	LCS	4/7/2020	Anion	Sulfate	Total	=	19.7	mg/L	EPA 300.0	0.24	0.5			
2019/20-4	Lab	LCS, rec	4/7/2020	Anion	Sulfate	Total	=	99	%	EPA 300.0	-88	-88	90	110	
2019/20-4	Lab	method blank	4/13/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-4	Lab	LCS	4/13/2020	Cation	Calcium	Total	=	49.7	mg/L	EPA 200.7	0.016	0.1			
2019/20-4	Lab	LCS, rec	4/13/2020	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2019/20-4	MO-MEI	matrix spike	4/13/2020	Cation	Calcium	Total	=	59.7	mg/L	EPA 200.7	0.016	0.1			
2019/20-4	MO-MEI	matrix spike, rec	4/13/2020	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike dup	4/13/2020	Cation	Calcium	Total	=	58.4	mg/L	EPA 200.7	0.016	0.1			
2019/20-4	MO-MEI	matrix spike dup, rec	4/13/2020	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike, RPD	4/13/2020	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-4	MO-MPK	matrix spike	4/13/2020	Cation	Calcium	Total	=	70.9	mg/L	EPA 200.7	0.016	0.1			
2019/20-4	MO-MPK	matrix spike, rec	4/13/2020	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike dup	4/13/2020	Cation	Calcium	Total	=	70.5	mg/L	EPA 200.7	0.016	0.1			
2019/20-4	MO-MPK	matrix spike dup, rec	4/13/2020	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike, RPD	4/13/2020	Cation	Calcium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-4	Lab	LCS	4/13/2020	Cation	Magnesium	Total	=	48.3	mg/L	EPA 200.7	0.012	0.1			
2019/20-4	Lab	LCS, rec	4/13/2020	Cation	Magnesium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2019/20-4	MO-MEI	matrix spike	4/13/2020	Cation	Magnesium	Total	=	53.1	mg/L	EPA 200.7	0.012	0.1			
2019/20-4	MO-MEI	matrix spike, rec	4/13/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike dup	4/13/2020	Cation	Magnesium	Total	=	51.9	mg/L	EPA 200.7	0.012	0.1			
2019/20-4	MO-MEI	matrix spike dup, rec	4/13/2020	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike, RPD	4/13/2020	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-4	MO-MPK	matrix spike	4/13/2020	Cation	Magnesium	Total	=	51.9	mg/L	EPA 200.7	0.012	0.1			
2019/20-4	MO-MPK	matrix spike, rec	4/13/2020	Cation	Magnesium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike dup	4/13/2020	Cation	Magnesium	Total	=	51.5	mg/L	EPA 200.7	0.012	0.1			
2019/20-4	MO-MPK	matrix spike dup, rec	4/13/2020	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike, RPD	4/13/2020	Cation	Magnesium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-4	Lab	LCS	4/13/2020	Cation	Potassium	Total	=	51.6	mg/L	EPA 200.7	0.081	0.1			
2019/20-4	Lab	LCS, rec	4/13/2020	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	85	115	
2019/20-4	MO-MEI	matrix spike	4/13/2020	Cation	Potassium	Total	=	58.4	mg/L	EPA 200.7	0.081	0.1			
2019/20-4	MO-MEI	matrix spike, rec	4/13/2020	Cation	Potassium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike dup	4/13/2020	Cation	Potassium	Total	=	57.1	mg/L	EPA 200.7	0.081	0.1			
2019/20-4	MO-MEI	matrix spike dup, rec	4/13/2020	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike, RPD	4/13/2020	Cation	Potassium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-4	MO-MPK	matrix spike	4/13/2020	Cation	Potassium	Total	=	55.8	mg/L	EPA 200.7	0.081	0.1			
2019/20-4	MO-MPK	matrix spike, rec	4/13/2020	Cation	Potassium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike dup	4/13/2020	Cation	Potassium	Total	=	55.4	mg/L	EPA 200.7	0.081	0.1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-MPK	matrix spike dup, rec	4/13/2020	Cation	Potassium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike, RPD	4/13/2020	Cation	Potassium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-4	Lab	LCS	4/13/2020	Cation	Sodium	Total	=	48.1	mg/L	EPA 200.7	0.015	0.5			
2019/20-4	Lab	LCS, rec	4/13/2020	Cation	Sodium	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2019/20-4	MO-MEI	matrix spike	4/13/2020	Cation	Sodium	Total	=	54.3	mg/L	EPA 200.7	0.015	0.5			
2019/20-4	MO-MEI	matrix spike, rec	4/13/2020	Cation	Sodium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike dup	4/13/2020	Cation	Sodium	Total	=	53.1	mg/L	EPA 200.7	0.015	0.5			
2019/20-4	MO-MEI	matrix spike dup, rec	4/13/2020	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike, RPD	4/13/2020	Cation	Sodium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2019/20-4	MO-MPK	matrix spike	4/13/2020	Cation	Sodium	Total	=	57.9	mg/L	EPA 200.7	0.015	0.5			
2019/20-4	MO-MPK	matrix spike, rec	4/13/2020	Cation	Sodium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike dup	4/13/2020	Cation	Sodium	Total	=	57.5	mg/L	EPA 200.7	0.015	0.5			
2019/20-4	MO-MPK	matrix spike dup, rec	4/13/2020	Cation	Sodium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike, RPD	4/13/2020	Cation	Sodium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2019/20-4	000NONPJ	lab duplicate	4/14/2020	Conventional	Alkalinity as CaCO3	n/a	=	134	mg/L	SM 2320 B	0.56	5		15	
2019/20-4	Lab	method blank	4/14/2020	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	5			
2019/20-4	Lab	LCS	4/14/2020	Conventional	Alkalinity as CaCO3	n/a	=	248	mg/L	SM 2320 B	0.56	5			
2019/20-4	Lab	LCS, rec	4/14/2020	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2019/20-4	000NONPJ	lab duplicate	4/12/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2019/20-4	Lab	LCS	4/12/2020	Conventional	BOD	n/a	=	188	mg/L	SM 5210 B	2	2			
2019/20-4	Lab	LCS, rec	4/12/2020	Conventional	BOD	n/a	=	95	%	SM 5210 B	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-4	Lab	method blank	4/12/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-4	000NONPJ	matrix spike	4/14/2020	Conventional	COD	n/a	=	286	mg/L	EPA 410.4	11	20			DG
2019/20-4	000NONPJ	matrix spike, rec	4/14/2020	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	DG
2019/20-4	000NONPJ	matrix spike dup	4/14/2020	Conventional	COD	n/a	=	286	mg/L	EPA 410.4	11	20			DG
2019/20-4	000NONPJ	matrix spike dup, rec	4/14/2020	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	DG
2019/20-4	000NONPJ	matrix spike, RPD	4/14/2020	Conventional	COD	n/a	=	0.2	%	EPA 410.4	-88	-88	0	15	DG
2019/20-4	Lab	LCS	4/14/2020	Conventional	COD	n/a	=	922	mg/L	EPA 410.4	2.9	5			
2019/20-4	Lab	LCS, rec	4/14/2020	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2019/20-4	Lab	method blank	4/14/2020	Conventional	COD	n/a	<	2.9	mg/L	EPA 410.4	2.9	5			
2019/20-4	ME-SCR	lab duplicate	4/14/2020	Conventional	COD	n/a	=	365	mg/L	EPA 410.4	5.7	10		15	DG
2019/20-4	ME-SCR	matrix spike	4/14/2020	Conventional	COD	n/a	=	2180	mg/L	EPA 410.4	11	20			DG
2019/20-4	ME-SCR	matrix spike, rec	4/14/2020	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	DG
2019/20-4	ME-SCR	matrix spike dup	4/14/2020	Conventional	COD	n/a	=	2270	mg/L	EPA 410.4	11	20			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/14/2020	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/14/2020	Conventional	COD	n/a	=	4	%	EPA 410.4	-88	-88	0	15	DG
2019/20-4	000NONPJ	matrix spike	4/16/2020	Conventional	Cyanide	Total	=	0.0513	mg/L	ASTM D7511	0.0003	0.002			
2019/20-4	000NONPJ	matrix spike, rec	4/16/2020	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	64	136	
2019/20-4	000NONPJ	matrix spike dup	4/16/2020	Conventional	Cyanide	Total	=	0.051	mg/L	ASTM D7511	0.0003	0.002			
2019/20-4	000NONPJ	matrix spike dup, rec	4/16/2020	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	64	136	
2019/20-4	000NONPJ	matrix spike, RPD	4/16/2020	Conventional	Cyanide	Total	=	0.5	%	ASTM D7511	-88	-88	0	47	
2019/20-4	Lab	LCS	4/16/2020	Conventional	Cyanide	Total	=	0.0494	mg/L	ASTM D7511	0.0003	0.002			
2019/20-4	Lab	LCS, rec	4/16/2020	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	84	116	
2019/20-4	Lab	method blank	4/16/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-4	Lab	method blank	4/16/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/16/2020	Conventional	Cyanide	Total	=	0.053	mg/L	ASTM D7511	0.0003	0.002			
2019/20-4	Lab	LCS, rec	4/16/2020	Conventional	Cyanide	Total	=	106	%	ASTM D7511	-88	-88	84	116	
2019/20-4	MO-HUE	matrix spike	4/16/2020	Conventional	Cyanide	Total	=	0.0457	mg/L	ASTM D7511	0.0003	0.002			
2019/20-4	MO-HUE	matrix spike, rec	4/16/2020	Conventional	Cyanide	Total	=	89	%	ASTM D7511	-88	-88	64	136	
2019/20-4	MO-HUE	matrix spike dup	4/16/2020	Conventional	Cyanide	Total	=	0.0487	mg/L	ASTM D7511	0.0003	0.002			
2019/20-4	MO-HUE	matrix spike dup, rec	4/16/2020	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	64	136	
2019/20-4	MO-HUE	matrix spike, RPD	4/16/2020	Conventional	Cyanide	Total	=	6	%	ASTM D7511	-88	-88	0	47	
2019/20-4	Lab	LCS	4/27/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.3	mg/L	SM 5310 B	0.5	0.5			
2019/20-4	Lab	LCS dup	4/27/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.2	mg/L	SM 5310 B	0.5	0.5			
2019/20-4	Lab	LCS dup, rec	4/27/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	102	%	SM 5310 B	-88	-88	85	115	
2019/20-4	Lab	LCS, rec	4/27/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	103	%	SM 5310 B	-88	-88	85	115	
2019/20-4	Lab	LCS, RPD	4/27/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	0.8	%	SM 5310 B	-88	-88	0	20	
2019/20-4	Lab	method blank	4/27/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2019/20-4	000NONPJ	matrix spike	4/16/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	7.12	mg/L	SM 5310 B	0.016	0.1			
2019/20-4	000NONPJ	matrix spike dup	4/16/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	6.97	mg/L	SM 5310 B	0.016	0.1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/16/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	111	%	SM 5310 B	-88	-88	74	120	
2019/20-4	000NONPJ	matrix spike, rec	4/16/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	114	%	SM 5310 B	-88	-88	74	120	
2019/20-4	000NONPJ	matrix spike, RPD	4/16/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	2	%	SM 5310 B	-88	-88	0	20	
2019/20-4	Lab	LCS	4/16/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	1.02	mg/L	SM 5310 B	0.016	0.1			
2019/20-4	Lab	LCS, rec	4/16/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	102	%	SM 5310 B	-88	-88	85	115	
2019/20-4	Lab	method blank	4/16/2020	Conventional	Dissolved Organic Carbon	Dissolved	<	0.016	mg/L	SM 5310 B	0.016	0.1			
2019/20-4	000NONPJ	matrix spike	4/7/2020	Conventional	MBAS	n/a	=	0.2	mg/L	SM 5540 C	0.017	0.05			
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Conventional	MBAS	n/a	=	0.209	mg/L	SM 5540 C	0.017	0.05			
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	74	123	
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Conventional	MBAS	n/a	=	100	%	SM 5540 C	-88	-88	74	123	
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Conventional	MBAS	n/a	=	4	%	SM 5540 C	-88	-88	0	20	
2019/20-4	Lab	LCS	4/7/2020	Conventional	MBAS	n/a	=	0.214	mg/L	SM 5540 C	0.017	0.05			
2019/20-4	Lab	LCS, rec	4/7/2020	Conventional	MBAS	n/a	=	107	%	SM 5540 C	-88	-88	82	115	
2019/20-4	Lab	method blank	4/7/2020	Conventional	MBAS	n/a	<	0.017	mg/L	SM 5540 C	0.017	0.05			
2019/20-4	Lab	LCS	4/10/2020	Conventional	Phenolics	n/a	=	0.104	mg/L	EPA 420.4	0.0042	0.01			
2019/20-4	Lab	LCS, rec	4/10/2020	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2019/20-4	Lab	method blank	4/10/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-4	Lab	LCS	4/14/2020	Conventional	Phenolics	n/a	=	0.0992	mg/L	EPA 420.4	0.0042	0.01			
2019/20-4	Lab	LCS, rec	4/14/2020	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2019/20-4	Lab	method blank	4/14/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-4	MO-HUE	matrix spike	4/10/2020	Conventional	Phenolics	n/a	=	0.264	mg/L	EPA 420.4	0.0042	0.01			
2019/20-4	MO-HUE	matrix spike dup	4/10/2020	Conventional	Phenolics	n/a	=	0.257	mg/L	EPA 420.4	0.0042	0.01			
2019/20-4	MO-HUE	matrix spike dup, rec	4/10/2020	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2019/20-4	MO-HUE	matrix spike, rec	4/10/2020	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2019/20-4	MO-HUE	matrix spike, RPD	4/10/2020	Conventional	Phenolics	n/a	=	3	%	EPA 420.4	-88	-88	0	20	
2019/20-4	MO-MPK	matrix spike	4/14/2020	Conventional	Phenolics	n/a	=	0.259	mg/L	EPA 420.4	0.0042	0.01			
2019/20-4	MO-MPK	matrix spike dup	4/14/2020	Conventional	Phenolics	n/a	=	0.259	mg/L	EPA 420.4	0.0042	0.01			
2019/20-4	MO-MPK	matrix spike dup, rec	4/14/2020	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2019/20-4	MO-MPK	matrix spike, rec	4/14/2020	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2019/20-4	MO-MPK	matrix spike, RPD	4/14/2020	Conventional	Phenolics	n/a	=	0.1	%	EPA 420.4	-88	-88	0	20	
2019/20-4	000NONPJ	lab duplicate	4/13/2020	Conventional	Specific Conductance	n/a	=	383	µmhos/cm	SM 2510 B	0.23	2		4.28	
2019/20-4	Lab	method blank	4/13/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/13/2020	Conventional	Specific Conductance	n/a	=	445	µmhos/cm	SM 2510 B	0.23	2			
2019/20-4	Lab	LCS, rec	4/13/2020	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2019/20-4	Lab	LCS	4/16/2020	Conventional	Specific Conductance	n/a	=	25200	µmhos/cm	SM 2510 B	0.23	2			
2019/20-4	Lab	LCS, rec	4/16/2020	Conventional	Specific Conductance	n/a	=	101	%	SM 2510 B	-88	-88	95	105	
2019/20-4	Lab	method blank	4/16/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-4	MO-HUE	lab duplicate	4/16/2020	Conventional	Specific Conductance	n/a	=	7960	µmhos/cm	SM 2510 B	0.23	2		4.28	
2019/20-4	000NONPJ	lab duplicate	4/8/2020	Conventional	Total Dissolved Solids	n/a	=	34600	mg/L	SM 2540 C	4	10		10	
2019/20-4	Lab	LCS	4/8/2020	Conventional	Total Dissolved Solids	n/a	=	804	mg/L	SM 2540 C	4	10			
2019/20-4	Lab	LCS, rec	4/8/2020	Conventional	Total Dissolved Solids	n/a	=	98	%	SM 2540 C	-88	-88	96	102	
2019/20-4	Lab	method blank	4/8/2020	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2019/20-4	MO-HUE	lab duplicate	4/8/2020	Conventional	Total Dissolved Solids	n/a	=	3550	mg/L	SM 2540 C	4	10		10	
2019/20-4	000NONPJ	matrix spike	4/20/2020	Conventional	Total Organic Carbon	n/a	=	15.8	mg/L	SM 5310 B	0.073	0.1			GB
2019/20-4	000NONPJ	matrix spike dup	4/20/2020	Conventional	Total Organic Carbon	n/a	=	15.5	mg/L	SM 5310 B	0.073	0.1			GB
2019/20-4	000NONPJ	matrix spike dup, rec	4/20/2020	Conventional	Total Organic Carbon	n/a	=	126	%	SM 5310 B	-88	-88	76	115	GB
2019/20-4	000NONPJ	matrix spike, rec	4/20/2020	Conventional	Total Organic Carbon	n/a	=	132	%	SM 5310 B	-88	-88	76	115	GB
2019/20-4	000NONPJ	matrix spike, RPD	4/20/2020	Conventional	Total Organic Carbon	n/a	=	2	%	SM 5310 B	-88	-88	0	20	GB
2019/20-4	Lab	LCS	4/20/2020	Conventional	Total Organic Carbon	n/a	=	1.07	mg/L	SM 5310 B	0.073	0.1			
2019/20-4	Lab	LCS, rec	4/20/2020	Conventional	Total Organic Carbon	n/a	=	107	%	SM 5310 B	-88	-88	85	115	
2019/20-4	Lab	method blank	4/20/2020	Conventional	Total Organic Carbon	n/a	<	0.073	mg/L	SM 5310 B	0.073	0.1			
2019/20-4	000NONPJ	lab duplicate	4/8/2020	Conventional	Total Suspended Solids	n/a	=	44.4	mg/L	SM 2540 D	-88	5		20	
2019/20-4	000NONPJ	lab duplicate	4/9/2020	Conventional	Total Suspended Solids	n/a	=	924	mg/L	SM 2540 D	-88	5		20	
2019/20-4	000NONPJ	lab duplicate	4/9/2020	Conventional	Total Suspended Solids	n/a	=	124	mg/L	SM 2540 D	-88	5		20	
2019/20-4	Lab	LCS	4/8/2020	Conventional	Total Suspended Solids	n/a	=	64.8	mg/L	SM 2540 D	-88	5			
2019/20-4	Lab	LCS, rec	4/8/2020	Conventional	Total Suspended Solids	n/a	=	105	%	SM 2540 D	-88	-88	90	110	
2019/20-4	Lab	method blank	4/8/2020	Conventional	Total Suspended Solids	n/a	DNQ	0.1	mg/L	SM 2540 D	-88	5			IP
2019/20-4	Lab	LCS	4/9/2020	Conventional	Total Suspended Solids	n/a	=	55.7	mg/L	SM 2540 D	-88	5			
2019/20-4	Lab	LCS, rec	4/9/2020	Conventional	Total Suspended Solids	n/a	=	99	%	SM 2540 D	-88	-88	90	110	
2019/20-4	Lab	method blank	4/9/2020	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2019/20-4	MO-CAM	lab duplicate	4/8/2020	Conventional	Total Suspended Solids	n/a	=	72.7	mg/L	SM 2540 D	-88	5		20	
2019/20-4	Lab	method blank	4/7/2020	Conventional	Turbidity	n/a	DNQ	0.02	NTU	EPA 180.1	0.017	0.1			IP
2019/20-4	Lab	LCS	4/7/2020	Conventional	Turbidity	n/a	=	9.99	NTU	EPA 180.1	0.017	0.1			
2019/20-4	Lab	LCS	4/7/2020	Conventional	Turbidity	n/a	=	4.04	NTU	EPA 180.1	0.017	0.1			
2019/20-4	Lab	LCS, rec	4/7/2020	Conventional	Turbidity	n/a	=	101	%	EPA 180.1	-88	-88	90	110	
2019/20-4	Lab	LCS, rec	4/7/2020	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2019/20-4	ME-SCR	lab duplicate	4/7/2020	Conventional	Turbidity	n/a	=	324	NTU	EPA 180.1	0.68	4		10	DG
2019/20-4	000NONPJ	lab duplicate	4/9/2020	Conventional	Volatile Suspended Solids	n/a	=	120	mg/L	EPA 160.4	3.1	5		15	
2019/20-4	000NONPJ	lab duplicate	4/9/2020	Conventional	Volatile Suspended Solids	n/a	=	32	mg/L	EPA 160.4	3.1	5		15	
2019/20-4	Lab	LCS	4/8/2020	Conventional	Volatile Suspended Solids	n/a	=	46	mg/L	EPA 160.4	3.1	5			
2019/20-4	Lab	LCS, rec	4/8/2020	Conventional	Volatile Suspended Solids	n/a	=	105	%	EPA 160.4	-88	-88	90	110	
2019/20-4	Lab	method blank	4/8/2020	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-4	Lab	LCS	4/9/2020	Conventional	Volatile Suspended Solids	n/a	=	41	mg/L	EPA 160.4	0.093	0.15			
2019/20-4	Lab	LCS, rec	4/9/2020	Conventional	Volatile Suspended Solids	n/a	=	103	%	EPA 160.4	-88	-88	90	110	
2019/20-4	Lab	method blank	4/9/2020	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-4	MO-CAM	lab duplicate	4/8/2020	Conventional	Volatile Suspended Solids	n/a	=	23	mg/L	EPA 160.4	3.1	5		15	
2019/20-4	Lab	method blank	4/8/2020	Hydrocarbon	Diesel Range Organics	n/a	<	0.032	mg/L	EPA 8015D	0.032	0.1			
2019/20-4	Lab	LCS	4/8/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.43	mg/L	EPA 8015D	0.032	0.1			
2019/20-4	Lab	LCS, rec	4/8/2020	Hydrocarbon	Diesel Range Organics	n/a	=	86	%	EPA 8015D	-88	-88	56	136	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS dup	4/8/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.457	mg/L	EPA 8015D	0.032	0.1			
2019/20-4	Lab	LCS dup, rec	4/8/2020	Hydrocarbon	Diesel Range Organics	n/a	=	91	%	EPA 8015D	-88	-88	56	136	
2019/20-4	Lab	LCS, RPD	4/8/2020	Hydrocarbon	Diesel Range Organics	n/a	=	6	%	EPA 8015D	-88	-88	0	25	
2019/20-4	Lab	srgt method blank	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.201	mg/L	EPA 8015D	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	81	%	EPA 8015D	-88	-88	64	155	
2019/20-4	Lab	srgt LCS	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.277	mg/L	EPA 8015D	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015D	-88	-88	64	155	
2019/20-4	Lab	srgt LCS dup	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.271	mg/L	EPA 8015D	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	109	%	EPA 8015D	-88	-88	64	155	
2019/20-4	ME-SCR	srgt environ	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.224	mg/L	EPA 8015D	-88	-88			
2019/20-4	ME-SCR	srgt environ, rec	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	90	%	EPA 8015D	-88	-88	64	155	
2019/20-4	MO-CAM	srgt environ	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.256	mg/L	EPA 8015D	-88	-88			
2019/20-4	MO-CAM	srgt environ, rec	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	102	%	EPA 8015D	-88	-88	64	155	
2019/20-4	MO-HUE	srgt environ	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.2	mg/L	EPA 8015D	-88	-88			
2019/20-4	MO-HUE	srgt environ, rec	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	80	%	EPA 8015D	-88	-88	64	155	
2019/20-4	MO-MEI	srgt environ	4/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.26	mg/L	EPA 8015D	-88	-88			
2019/20-4	MO-MEI	srgt environ, rec	4/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	104	%	EPA 8015D	-88	-88	64	155	
2019/20-4	MO-MPK	srgt environ	4/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.207	mg/L	EPA 8015D	-88	-88			
2019/20-4	MO-MPK	srgt environ, rec	4/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	83	%	EPA 8015D	-88	-88	64	155	
2019/20-4	MO-OJA	srgt environ	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.239	mg/L	EPA 8015D	-88	-88			
2019/20-4	MO-OJA	srgt environ, rec	4/8/2020	Hydrocarbon	n-Tetracosane	n/a	=	96	%	EPA 8015D	-88	-88	64	155	
2019/20-4	MO-THO	srgt environ	4/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.217	mg/L	EPA 8015D	-88	-88			
2019/20-4	MO-THO	srgt environ, rec	4/9/2020	Hydrocarbon	n-Tetracosane	n/a	=	87	%	EPA 8015D	-88	-88	64	155	
2019/20-4	Lab	LCS	4/10/2020	Hydrocarbon	Oil and Grease	n/a	=	16.9	mg/L	EPA 1664A	1.3	5			
2019/20-4	Lab	LCS	4/10/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4	mg/L	EPA 1664A	1.3	5			
2019/20-4	Lab	LCS dup	4/10/2020	Hydrocarbon	Oil and Grease	n/a	=	17	mg/L	EPA 1664A	1.3	5			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Hydrocarbon	Oil and Grease	n/a	=	85	%	EPA 1664A	-88	-88	78	114	
2019/20-4	Lab	LCS, rec	4/10/2020	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2019/20-4	Lab	LCS, rec	4/10/2020	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2019/20-4	Lab	LCS, RPD	4/10/2020	Hydrocarbon	Oil and Grease	n/a	=	0.6	%	EPA 1664A	-88	-88	0	18	
2019/20-4	Lab	method blank	4/10/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-4	Lab	LCS	4/13/2020	Hydrocarbon	Oil and Grease	n/a	=	16.9	mg/L	EPA 1664A	1.3	5			
2019/20-4	Lab	LCS	4/13/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4.7	mg/L	EPA 1664A	1.3	5			
2019/20-4	Lab	LCS dup	4/13/2020	Hydrocarbon	Oil and Grease	n/a	=	17.1	mg/L	EPA 1664A	1.3	5			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2019/20-4	Lab	LCS, rec	4/13/2020	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2019/20-4	Lab	LCS, rec	4/13/2020	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2019/20-4	Lab	LCS, RPD	4/13/2020	Hydrocarbon	Oil and Grease	n/a	=	1	%	EPA 1664A	-88	-88	0	18	
2019/20-4	Lab	method blank	4/13/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-4	Lab	method blank	4/8/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-4	Lab	method blank	4/12/2020	Metal	Aluminum	Dissolved	DNQ	1.5	µg/L	EPA 200.8	1.3	5			IP
2019/20-4	Lab	LCS	4/12/2020	Metal	Aluminum	Dissolved	=	52.6	µg/L	EPA 200.8	1.3	5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Aluminum	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Aluminum	Total	DNQ	1.94	µg/L	EPA 200.8	1.3	5			IP
2019/20-4	Lab	LCS	4/12/2020	Metal	Aluminum	Total	=	52.6	µg/L	EPA 200.8	1.3	5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Aluminum	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Aluminum	Total	=	313	µg/L	EPA 200.8	1.3	5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Aluminum	Total	=	114	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Aluminum	Total	=	310	µg/L	EPA 200.8	1.3	5			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Aluminum	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Aluminum	Total	=	2030	µg/L	EPA 200.8	1.3	5			GB
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Aluminum	Total	=	-225	%	EPA 200.8	-88	-88	70	130	GB
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Aluminum	Total	=	2070	µg/L	EPA 200.8	1.3	5			GB
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Aluminum	Total	=	-15	%	EPA 200.8	-88	-88	70	130	GB
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	GB
2019/20-4	Lab	method blank	4/12/2020	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-4	Lab	LCS	4/12/2020	Metal	Antimony	Dissolved	=	51.9	µg/L	EPA 200.8	0.045	0.5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Antimony	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-4	Lab	LCS	4/12/2020	Metal	Antimony	Total	=	51.9	µg/L	EPA 200.8	0.045	0.5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Antimony	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Antimony	Total	=	53.3	µg/L	EPA 200.8	0.045	0.5			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Antimony	Total	=	53.7	µg/L	EPA 200.8	0.045	0.5			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Antimony	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Antimony	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Antimony	Total	=	49.4	µg/L	EPA 200.8	0.045	0.5			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Antimony	Total	=	49.8	µg/L	EPA 200.8	0.045	0.5			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Antimony	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Antimony	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-4	Lab	LCS	4/12/2020	Metal	Arsenic	Dissolved	=	50.5	µg/L	EPA 200.8	0.074	0.4			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Arsenic	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-4	Lab	LCS	4/12/2020	Metal	Arsenic	Total	=	50.5	µg/L	EPA 200.8	0.074	0.4			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Arsenic	Total	=	53.8	µg/L	EPA 200.8	0.074	0.4			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Arsenic	Total	=	54.8	µg/L	EPA 200.8	0.074	0.4			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Arsenic	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Arsenic	Total	=	53.7	µg/L	EPA 200.8	0.074	0.4			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Arsenic	Total	=	54	µg/L	EPA 200.8	0.074	0.4			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Arsenic	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2019/20-4	Lab	LCS	4/12/2020	Metal	Barium	Total	=	48.5	µg/L	EPA 200.8	0.071	0.5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Barium	Total	=	97.4	µg/L	EPA 200.8	0.071	0.5			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Barium	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Barium	Total	=	98.5	µg/L	EPA 200.8	0.071	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Barium	Total	=	112	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Barium	Total	=	79.8	µg/L	EPA 200.8	0.071	0.5			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Barium	Total	=	82.5	µg/L	EPA 200.8	0.071	0.5			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Barium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-4	Lab	LCS	4/12/2020	Metal	Beryllium	Dissolved	=	47.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Beryllium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-4	Lab	LCS	4/12/2020	Metal	Beryllium	Total	=	47.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Beryllium	Total	=	49.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Beryllium	Total	=	49.8	µg/L	EPA 200.8	0.033	0.1			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Beryllium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Beryllium	Total	=	48.7	µg/L	EPA 200.8	0.033	0.1			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Beryllium	Total	=	48.3	µg/L	EPA 200.8	0.033	0.1			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Beryllium	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-4	Lab	LCS	4/12/2020	Metal	Cadmium	Dissolved	=	49.7	µg/L	EPA 200.8	0.041	0.1			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Cadmium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-4	Lab	LCS	4/12/2020	Metal	Cadmium	Total	=	49.7	µg/L	EPA 200.8	0.041	0.1			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Cadmium	Total	=	45.8	µg/L	EPA 200.8	0.041	0.1			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Cadmium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Cadmium	Total	=	46.4	µg/L	EPA 200.8	0.041	0.1			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Cadmium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Cadmium	Total	=	50.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Cadmium	Total	=	50.2	µg/L	EPA 200.8	0.041	0.1			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-4	Lab	LCS	4/12/2020	Metal	Chromium	Dissolved	=	49.4	µg/L	EPA 200.8	0.035	0.2			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Chromium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Chromium	Total	DNQ	0.0488	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-4	Lab	LCS	4/12/2020	Metal	Chromium	Total	=	49.4	µg/L	EPA 200.8	0.035	0.2			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Chromium	Total	=	51.7	µg/L	EPA 200.8	0.035	0.2			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Chromium	Total	=	52.4	µg/L	EPA 200.8	0.035	0.2			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Chromium	Total	=	54.2	µg/L	EPA 200.8	0.035	0.2			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Chromium	Total	=	54.7	µg/L	EPA 200.8	0.035	0.2			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Chromium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-4	000NONPJ	matrix spike	4/8/2020	Metal	Chromium VI	n/a	=	5.11	µg/L	EPA 218.6	0.0079	0.02			
2019/20-4	000NONPJ	matrix spike, rec	4/8/2020	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2019/20-4	000NONPJ	matrix spike dup	4/8/2020	Metal	Chromium VI	n/a	=	5.14	µg/L	EPA 218.6	0.0079	0.02			
2019/20-4	000NONPJ	matrix spike dup, rec	4/8/2020	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2019/20-4	000NONPJ	matrix spike, RPD	4/8/2020	Metal	Chromium VI	n/a	=	0.5	%	EPA 218.6	-88	-88	0	10	
2019/20-4	000NONPJ	matrix spike	4/8/2020	Metal	Chromium VI	n/a	=	5.15	µg/L	EPA 218.6	0.0079	0.02			
2019/20-4	000NONPJ	matrix spike, rec	4/8/2020	Metal	Chromium VI	n/a	=	93	%	EPA 218.6	-88	-88	88	112	
2019/20-4	000NONPJ	matrix spike dup	4/8/2020	Metal	Chromium VI	n/a	=	5.1	µg/L	EPA 218.6	0.0079	0.02			
2019/20-4	000NONPJ	matrix spike dup, rec	4/8/2020	Metal	Chromium VI	n/a	=	92	%	EPA 218.6	-88	-88	88	112	
2019/20-4	000NONPJ	matrix spike, RPD	4/8/2020	Metal	Chromium VI	n/a	=	0.9	%	EPA 218.6	-88	-88	0	10	
2019/20-4	Lab	method blank	4/8/2020	Metal	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02			
2019/20-4	Lab	LCS	4/8/2020	Metal	Chromium VI	n/a	=	5.03	µg/L	EPA 218.6	0.0079	0.02			
2019/20-4	Lab	LCS, rec	4/8/2020	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	90	110	
2019/20-4	Lab	method blank	4/12/2020	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-4	Lab	LCS	4/12/2020	Metal	Copper	Dissolved	=	51.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Copper	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-4	Lab	LCS	4/12/2020	Metal	Copper	Total	=	51.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Copper	Total	=	51.3	µg/L	EPA 200.8	0.13	0.5			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Copper	Total	=	52	µg/L	EPA 200.8	0.13	0.5			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Copper	Total	=	56.1	µg/L	EPA 200.8	0.13	0.5			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Copper	Total	=	56.1	µg/L	EPA 200.8	0.13	0.5			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Copper	Total	=	0.09	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2019/20-4	Lab	LCS	4/13/2020	Metal	Iron	Dissolved	=	199	µg/L	EPA 200.7	1.1	10			
2019/20-4	Lab	LCS, rec	4/13/2020	Metal	Iron	Dissolved	=	100	%	EPA 200.7	-88	-88	85	115	
2019/20-4	Lab	method blank	4/13/2020	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2019/20-4	Lab	LCS	4/13/2020	Metal	Iron	Total	=	199	µg/L	EPA 200.7	1.1	10			
2019/20-4	Lab	LCS, rec	4/13/2020	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2019/20-4	MO-MEI	matrix spike	4/13/2020	Metal	Iron	Total	=	3620	µg/L	EPA 200.7	1.1	10			GB
2019/20-4	MO-MEI	matrix spike, rec	4/13/2020	Metal	Iron	Total	=	224	%	EPA 200.7	-88	-88	70	130	GB
2019/20-4	MO-MEI	matrix spike dup	4/13/2020	Metal	Iron	Total	=	3390	µg/L	EPA 200.7	1.1	10			
2019/20-4	MO-MEI	matrix spike dup, rec	4/13/2020	Metal	Iron	Total	=	106	%	EPA 200.7	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-MEI	matrix spike, RPD	4/13/2020	Metal	Iron	Total	=	7	%	EPA 200.7	-88	-88	0	30	
2019/20-4	MO-MPK	matrix spike	4/13/2020	Metal	Iron	Total	=	3710	µg/L	EPA 200.7	1.1	10			GB
2019/20-4	MO-MPK	matrix spike, rec	4/13/2020	Metal	Iron	Total	=	202	%	EPA 200.7	-88	-88	70	130	GB
2019/20-4	MO-MPK	matrix spike dup	4/13/2020	Metal	Iron	Total	=	3400	µg/L	EPA 200.7	1.1	10			GB
2019/20-4	MO-MPK	matrix spike dup, rec	4/13/2020	Metal	Iron	Total	=	48	%	EPA 200.7	-88	-88	70	130	GB
2019/20-4	MO-MPK	matrix spike, RPD	4/13/2020	Metal	Iron	Total	=	9	%	EPA 200.7	-88	-88	0	30	GB
2019/20-4	Lab	method blank	4/12/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-4	Lab	LCS	4/12/2020	Metal	Lead	Dissolved	=	48.5	µg/L	EPA 200.8	0.031	0.2			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Lead	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-4	Lab	LCS	4/12/2020	Metal	Lead	Total	=	48.5	µg/L	EPA 200.8	0.031	0.2			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Lead	Total	=	48.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Lead	Total	=	48.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Lead	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Lead	Total	=	49.7	µg/L	EPA 200.8	0.031	0.2			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Lead	Total	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Lead	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-4	Lab	LCS	4/15/2020	Metal	Mercury	Dissolved	=	988	ng/L	EPA 245.1	17	50			
2019/20-4	Lab	LCS, rec	4/15/2020	Metal	Mercury	Dissolved	=	99	%	EPA 245.1	-88	-88	85	115	
2019/20-4	MO-CAM	matrix spike	4/15/2020	Metal	Mercury	Dissolved	=	992	ng/L	EPA 245.1	17	50			
2019/20-4	MO-CAM	matrix spike, rec	4/15/2020	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	70	130	
2019/20-4	MO-CAM	matrix spike dup	4/15/2020	Metal	Mercury	Dissolved	=	996	ng/L	EPA 245.1	17	50			
2019/20-4	MO-CAM	matrix spike dup, rec	4/15/2020	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-4	MO-CAM	matrix spike, RPD	4/15/2020	Metal	Mercury	Dissolved	=	0.4	%	EPA 245.1	-88	-88	0	20	
2019/20-4	MO-THO	matrix spike	4/15/2020	Metal	Mercury	Dissolved	=	1930	ng/L	EPA 245.1	34	100			
2019/20-4	MO-THO	matrix spike, rec	4/15/2020	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/15/2020	Metal	Mercury	Dissolved	=	1950	ng/L	EPA 245.1	34	100			
2019/20-4	MO-THO	matrix spike dup, rec	4/15/2020	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/15/2020	Metal	Mercury	Dissolved	=	0.8	%	EPA 245.1	-88	-88	0	20	
2019/20-4	Lab	method blank	4/15/2020	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-4	Lab	LCS	4/15/2020	Metal	Mercury	Total	=	988	ng/L	EPA 245.1	17	50			
2019/20-4	Lab	LCS, rec	4/15/2020	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	85	115	
2019/20-4	MO-CAM	matrix spike	4/15/2020	Metal	Mercury	Total	=	992	ng/L	EPA 245.1	17	50			
2019/20-4	MO-CAM	matrix spike, rec	4/15/2020	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2019/20-4	MO-CAM	matrix spike dup	4/15/2020	Metal	Mercury	Total	=	996	ng/L	EPA 245.1	17	50			
2019/20-4	MO-CAM	matrix spike dup, rec	4/15/2020	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2019/20-4	MO-CAM	matrix spike, RPD	4/15/2020	Metal	Mercury	Total	=	0.4	%	EPA 245.1	-88	-88	0	20	
2019/20-4	MO-THO	matrix spike	4/15/2020	Metal	Mercury	Total	=	1930	ng/L	EPA 245.1	34	100			DG
2019/20-4	MO-THO	matrix spike, rec	4/15/2020	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	DG
2019/20-4	MO-THO	matrix spike dup	4/15/2020	Metal	Mercury	Total	=	1950	ng/L	EPA 245.1	34	100			DG
2019/20-4	MO-THO	matrix spike dup, rec	4/15/2020	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	DG



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-THO	matrix spike, RPD	4/15/2020	Metal	Mercury	Total	=	0.8	%	EPA 245.1	-88	-88	0	20	DG
2019/20-4	Lab	method blank	4/12/2020	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-4	Lab	LCS	4/12/2020	Metal	Nickel	Dissolved	=	51	µg/L	EPA 200.8	0.045	0.8			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Nickel	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-4	Lab	LCS	4/12/2020	Metal	Nickel	Total	=	51	µg/L	EPA 200.8	0.045	0.8			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Nickel	Total	=	49.3	µg/L	EPA 200.8	0.045	0.8			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Nickel	Total	=	50.3	µg/L	EPA 200.8	0.045	0.8			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Nickel	Total	=	54.1	µg/L	EPA 200.8	0.045	0.8			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Nickel	Total	=	54.7	µg/L	EPA 200.8	0.045	0.8			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-4	Lab	LCS	4/12/2020	Metal	Selenium	Dissolved	=	49.7	µg/L	EPA 200.8	0.14	0.4			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Selenium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-4	Lab	LCS	4/12/2020	Metal	Selenium	Total	=	49.7	µg/L	EPA 200.8	0.14	0.4			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Selenium	Total	=	46.5	µg/L	EPA 200.8	0.14	0.4			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Selenium	Total	=	47.8	µg/L	EPA 200.8	0.14	0.4			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Selenium	Total	=	49.2	µg/L	EPA 200.8	0.14	0.4			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Selenium	Total	=	49	µg/L	EPA 200.8	0.14	0.4			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Selenium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-4	Lab	LCS	4/12/2020	Metal	Silver	Dissolved	=	50.6	µg/L	EPA 200.8	0.062	0.2			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Silver	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-4	Lab	LCS	4/12/2020	Metal	Silver	Total	=	50.6	µg/L	EPA 200.8	0.062	0.2			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Silver	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Silver	Total	=	48.3	µg/L	EPA 200.8	0.062	0.2			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Silver	Total	=	49.1	µg/L	EPA 200.8	0.062	0.2			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Silver	Total	=	48.6	µg/L	EPA 200.8	0.062	0.2			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Silver	Total	=	49.7	µg/L	EPA 200.8	0.062	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-4	Lab	LCS	4/12/2020	Metal	Thallium	Dissolved	=	48.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Thallium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-4	Lab	LCS	4/12/2020	Metal	Thallium	Total	=	48.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Thallium	Total	=	47.8	µg/L	EPA 200.8	0.014	0.2			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Thallium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Thallium	Total	=	47.6	µg/L	EPA 200.8	0.014	0.2			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Thallium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Thallium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Thallium	Total	=	49.5	µg/L	EPA 200.8	0.014	0.2			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Thallium	Total	=	50.2	µg/L	EPA 200.8	0.014	0.2			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-4	Lab	method blank	4/12/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-4	Lab	LCS	4/12/2020	Metal	Zinc	Dissolved	=	51	µg/L	EPA 200.8	0.94	5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Zinc	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-4	Lab	method blank	4/12/2020	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-4	Lab	LCS	4/12/2020	Metal	Zinc	Total	=	51	µg/L	EPA 200.8	0.94	5			
2019/20-4	Lab	LCS, rec	4/12/2020	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-4	MO-HUE	matrix spike	4/12/2020	Metal	Zinc	Total	=	69.8	µg/L	EPA 200.8	0.94	5			
2019/20-4	MO-HUE	matrix spike, rec	4/12/2020	Metal	Zinc	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike dup	4/12/2020	Metal	Zinc	Total	=	71.2	µg/L	EPA 200.8	0.94	5			
2019/20-4	MO-HUE	matrix spike dup, rec	4/12/2020	Metal	Zinc	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-HUE	matrix spike, RPD	4/12/2020	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-4	MO-THO	matrix spike	4/12/2020	Metal	Zinc	Total	=	69.8	µg/L	EPA 200.8	0.94	5			
2019/20-4	MO-THO	matrix spike, rec	4/12/2020	Metal	Zinc	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike dup	4/12/2020	Metal	Zinc	Total	=	73.2	µg/L	EPA 200.8	0.94	5			
2019/20-4	MO-THO	matrix spike dup, rec	4/12/2020	Metal	Zinc	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-4	MO-THO	matrix spike, RPD	4/12/2020	Metal	Zinc	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-4	000NONPJ	matrix spike	4/10/2020	Nutrient	Ammonia as N	n/a	=	0.257	mg/L	EPA 350.1	0.012	0.1			
2019/20-4	000NONPJ	matrix spike, rec	4/10/2020	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike dup	4/10/2020	Nutrient	Ammonia as N	n/a	=	0.255	mg/L	EPA 350.1	0.012	0.1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/10/2020	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike, RPD	4/10/2020	Nutrient	Ammonia as N	n/a	=	0.9	%	EPA 350.1	-88	-88	0	15	
2019/20-4	000NONPJ	matrix spike	4/10/2020	Nutrient	Ammonia as N	n/a	=	0.255	mg/L	EPA 350.1	0.012	0.1			
2019/20-4	000NONPJ	matrix spike, rec	4/10/2020	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike dup	4/10/2020	Nutrient	Ammonia as N	n/a	=	0.258	mg/L	EPA 350.1	0.012	0.1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/10/2020	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike, RPD	4/10/2020	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2019/20-4	Lab	method blank	4/10/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-4	Lab	LCS	4/10/2020	Nutrient	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.012	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	method blank	4/10/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-4	Lab	LCS	4/10/2020	Nutrient	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.012	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	9.13	mg/L	EPA 353.2	0.036	0.2			
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	9.12	mg/L	EPA 353.2	0.036	0.2			
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0.1	%	EPA 353.2	-88	-88	0	20	
2019/20-4	000NONPJ	matrix spike	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	2.83	mg/L	EPA 353.2	0.036	0.2			
2019/20-4	000NONPJ	matrix spike, rec	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike dup	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	2.83	mg/L	EPA 353.2	0.036	0.2			
2019/20-4	000NONPJ	matrix spike dup, rec	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike, RPD	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-4	Lab	method blank	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	<	0.036	mg/L	EPA 353.2	0.036	0.2			
2019/20-4	Lab	LCS	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	1.06	mg/L	EPA 353.2	0.036	0.2			
2019/20-4	Lab	LCS, rec	4/7/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2019/20-4	Lab	method blank	4/13/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-4	Lab	LCS	4/13/2020	Nutrient	Phosphorus as P	Dissolved	=	1.06	mg/L	EPA 200.7	0.012	0.02			
2019/20-4	Lab	LCS, rec	4/13/2020	Nutrient	Phosphorus as P	Dissolved	=	106	%	EPA 200.7	-88	-88	85	115	
2019/20-4	Lab	method blank	4/13/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-4	Lab	LCS	4/13/2020	Nutrient	Phosphorus as P	Total	=	1.06	mg/L	EPA 200.7	0.012	0.02			
2019/20-4	Lab	LCS, rec	4/13/2020	Nutrient	Phosphorus as P	Total	=	106	%	EPA 200.7	-88	-88	85	115	
2019/20-4	MO-MEI	matrix spike	4/13/2020	Nutrient	Phosphorus as P	Total	=	1.48	mg/L	EPA 200.7	0.012	0.02			
2019/20-4	MO-MEI	matrix spike, rec	4/13/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike dup	4/13/2020	Nutrient	Phosphorus as P	Total	=	1.46	mg/L	EPA 200.7	0.012	0.02			
2019/20-4	MO-MEI	matrix spike dup, rec	4/13/2020	Nutrient	Phosphorus as P	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MEI	matrix spike, RPD	4/13/2020	Nutrient	Phosphorus as P	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-4	MO-MPK	matrix spike	4/13/2020	Nutrient	Phosphorus as P	Total	=	1.39	mg/L	EPA 200.7	0.012	0.02			
2019/20-4	MO-MPK	matrix spike, rec	4/13/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike dup	4/13/2020	Nutrient	Phosphorus as P	Total	=	1.4	mg/L	EPA 200.7	0.012	0.02			
2019/20-4	MO-MPK	matrix spike dup, rec	4/13/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-4	MO-MPK	matrix spike, RPD	4/13/2020	Nutrient	Phosphorus as P	Total	=	0.3	%	EPA 200.7	-88	-88	0	30	
2019/20-4	000NONPJ	matrix spike	4/9/2020	Nutrient	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2019/20-4	000NONPJ	matrix spike	4/9/2020	Nutrient	TKN	n/a	=	1.22	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Nutrient	TKN	n/a	=	1.26	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Nutrient	TKN	n/a	=	4	%	EPA 351.2	-88	-88	0	10	
2019/20-4	000NONPJ	matrix spike	4/14/2020	Nutrient	TKN	n/a	=	1.27	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	000NONPJ	matrix spike, rec	4/14/2020	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike dup	4/14/2020	Nutrient	TKN	n/a	=	1.27	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/14/2020	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike, RPD	4/14/2020	Nutrient	TKN	n/a	=	0.5	%	EPA 351.2	-88	-88	0	10	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	000NONPJ	matrix spike	4/14/2020	Nutrient	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	000NONPJ	matrix spike, rec	4/14/2020	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike dup	4/14/2020	Nutrient	TKN	n/a	=	1.31	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/14/2020	Nutrient	TKN	n/a	=	107	%	EPA 351.2	-88	-88	90	110	
2019/20-4	000NONPJ	matrix spike, RPD	4/14/2020	Nutrient	TKN	n/a	=	0.5	%	EPA 351.2	-88	-88	0	10	
2019/20-4	Lab	method blank	4/9/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	Lab	LCS	4/9/2020	Nutrient	TKN	n/a	=	1.04	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2019/20-4	Lab	method blank	4/9/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	Lab	LCS	4/9/2020	Nutrient	TKN	n/a	=	1.01	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2019/20-4	Lab	method blank	4/14/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	Lab	LCS	4/14/2020	Nutrient	TKN	n/a	=	0.983	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	Lab	LCS, rec	4/14/2020	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	
2019/20-4	Lab	method blank	4/14/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	Lab	LCS	4/14/2020	Nutrient	TKN	n/a	<	0.951	mg/L	EPA 351.2	0.018	0.1			
2019/20-4	Lab	LCS, rec	4/14/2020	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2019/20-4	Lab	method blank	4/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	20.4	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	81	%	EPA 625.1	-88	-88	57	130	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	20	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	80	%	EPA 625.1	-88	-88	57	130	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	20.4	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	82	%	EPA 625.1	-88	-88	57	130	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	19.9	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	80	%	EPA 625.1	-88	-88	57	130	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	20.9	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	83	%	EPA 625.1	-88	-88	57	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	20.3	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	81	%	EPA 625.1	-88	-88	57	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	1,2-Dichlorobenzene	n/a	=	21.1	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	1,2-Dichlorobenzene	n/a	=	84	%	EPA 625.1	-88	-88	57	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	1,2-Dichlorobenzene	n/a	=	20	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	1,2-Dichlorobenzene	n/a	=	80	%	EPA 625.1	-88	-88	57	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	1,2-Dichlorobenzene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-4	Lab	method blank	4/15/2020	Organic	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	19.9	µg/L	EPA 625.1	0.42	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	80	%	EPA 625.1	-88	-88	55	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	19.3	µg/L	EPA 625.1	0.42	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	77	%	EPA 625.1	-88	-88	55	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	1,3-Dichlorobenzene	n/a	=	19.9	µg/L	EPA 625.1	0.42	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	1,3-Dichlorobenzene	n/a	=	80	%	EPA 625.1	-88	-88	55	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	1,3-Dichlorobenzene	n/a	=	19	µg/L	EPA 625.1	0.42	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	1,3-Dichlorobenzene	n/a	=	76	%	EPA 625.1	-88	-88	55	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	1,3-Dichlorobenzene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	srgt method blank	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.04	µg/L	EPA 525.2	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	srgt LCS	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.84	µg/L	EPA 525.2	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.83	µg/L	EPA 525.2	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.82	µg/L	EPA 525.2	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	Lab	srgt method blank	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.465	µg/L	EPA 525.2m	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2019/20-4	Lab	srgt LCS	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.466	µg/L	EPA 525.2m	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2019/20-4	ME-SCR	srgt matrix spike	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	254	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-SCR	srgt matrix spike, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	srgt matrix spike dup	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	256	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-SCR	srgt matrix spike dup, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	srgt matrix spike	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	252	µg/L	EPA 525.2	-88	-88			DG,PJN
2019/20-4	ME-SCR	srgt matrix spike, rec	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	srgt matrix spike dup	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	256	µg/L	EPA 525.2	-88	-88			DG,PJN
2019/20-4	ME-SCR	srgt matrix spike dup, rec	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	250	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	srgt matrix spike	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	24	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	ME-SCR	srgt matrix spike, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	DG
2019/20-4	ME-SCR	srgt matrix spike dup	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	25.4	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	ME-SCR	srgt matrix spike dup, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	DG
2019/20-4	ME-SCR	srgt environ	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	22.3	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	DG
2019/20-4	ME-VR2	srgt environ	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	261	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-VR2	srgt environ, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-VR2	srgt environ	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.45	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	ME-VR2	srgt environ, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2m	-88	-88	76	128	DG
2019/20-4	MO-CAM	srgt environ	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	10	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-CAM	srgt environ	4/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.424	µg/L	EPA 525.2m	-88	-88			
2019/20-4	MO-CAM	srgt environ, rec	4/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2019/20-4	MO-HUE	srgt environ	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2019/20-4	MO-HUE	srgt environ, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-4	MO-HUE	srgt environ	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.503	µg/L	EPA 525.2m	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-HUE	srgt environ, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2019/20-4	MO-MEI	srgt environ	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	51.5	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-MEI	srgt environ	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	2.55	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2m	-88	-88	76	128	DG
2019/20-4	MO-MPK	srgt environ	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	10.5	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-MPK	srgt environ	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.759	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	76	%	EPA 525.2m	-88	-88	76	128	DG
2019/20-4	MO-OJA	srgt environ	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	252	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-OJA	srgt environ	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	23.6	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	DG
2019/20-4	MO-THO	srgt environ	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	10.7	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/10/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-THO	srgt environ	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.911	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	DG
2019/20-4	Lab	method blank	4/13/2020	Organic	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625.1	0.48	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	78	%	EPA 625.1	-88	-88	55	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	18.9	µg/L	EPA 625.1	0.48	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	75	%	EPA 625.1	-88	-88	55	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	1,4-Dichlorobenzene	n/a	=	19.8	µg/L	EPA 625.1	0.48	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	1,4-Dichlorobenzene	n/a	=	79	%	EPA 625.1	-88	-88	55	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	1,4-Dichlorobenzene	n/a	=	19	µg/L	EPA 625.1	0.48	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	1,4-Dichlorobenzene	n/a	=	76	%	EPA 625.1	-88	-88	55	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	method blank	4/10/2020	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2019/20-4	Lab	srgt method blank	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	4.67	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	47	%	EPA 8270C	-88	-88	26	117	
2019/20-4	Lab	srgt LCS	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.13	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 8270C	-88	-88	26	117	
2019/20-4	Lab	srgt LCS dup	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	6	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 8270C	-88	-88	26	117	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.55	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 625.1	-88	-88	25	120	
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	42.8	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625.1	-88	-88	25	120	
2019/20-4	Lab	srgt LCS dup	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	45.4	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	91	%	EPA 625.1	-88	-88	25	120	
2019/20-4	Lab	srgt method blank	4/15/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.07	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/15/2020	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 625.1	-88	-88	25	120	PJN
2019/20-4	Lab	srgt LCS	4/15/2020	Organic	2,4,6-Tribromophenol	n/a	=	42.2	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/15/2020	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625.1	-88	-88	25	120	PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	srgt LCS dup	4/15/2020	Organic	2,4,6-Tribromophenol	n/a	=	44.4	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS dup, rec	4/15/2020	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625.1	-88	-88	25	120	PJN
2019/20-4	ME-SCR	srgt environ	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	41.1	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	41	%	EPA 8270C	-88	-88	26	117	DG
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	59.7	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 625.1	-88	-88	25	120	DG
2019/20-4	MO-CAM	srgt environ	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.01	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 8270C	-88	-88	26	117	DG
2019/20-4	MO-CAM	srgt environ	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.43	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625.1	-88	-88	25	120	DG
2019/20-4	MO-HUE	srgt environ	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.12	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 8270C	-88	-88	26	117	DG
2019/20-4	MO-HUE	srgt environ	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.89	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625.1	-88	-88	25	120	DG
2019/20-4	MO-MEI	srgt environ	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	5.61	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	56	%	EPA 8270C	-88	-88	26	117	DG
2019/20-4	MO-MEI	srgt environ	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.94	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625.1	-88	-88	25	120	DG
2019/20-4	MO-MPK	srgt environ	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.25	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	DG
2019/20-4	MO-MPK	srgt environ	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.85	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625.1	-88	-88	25	120	DG
2019/20-4	MO-OJA	srgt environ	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	66.8	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	67	%	EPA 8270C	-88	-88	26	117	DG
2019/20-4	MO-OJA	srgt environ	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	84.3	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625.1	-88	-88	25	120	DG
2019/20-4	MO-THO	srgt environ	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.67	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/10/2020	Organic	2,4,6-Tribromophenol	n/a	=	67	%	EPA 8270C	-88	-88	26	117	DG
2019/20-4	MO-THO	srgt environ	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.48	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/14/2020	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625.1	-88	-88	25	120	DG
2019/20-4	Lab	method blank	4/10/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-4	Lab	LCS	4/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	7.25	µg/L	EPA 8270C	0.3	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	73	%	EPA 8270C	-88	-88	30	115	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	7.57	µg/L	EPA 8270C	0.3	1			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	76	%	EPA 8270C	-88	-88	30	115	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	2,4,6-Trichlorophenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	20.2	µg/L	EPA 625.1	0.22	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	81	%	EPA 625.1	-88	-88	52	129	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	21.2	µg/L	EPA 625.1	0.22	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	85	%	EPA 625.1	-88	-88	52	129	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2,4,6-Trichlorophenol	n/a	=	20.8	µg/L	EPA 625.1	0.22	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2,4,6-Trichlorophenol	n/a	=	83	%	EPA 625.1	-88	-88	52	129	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2,4,6-Trichlorophenol	n/a	=	21.9	µg/L	EPA 625.1	0.22	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2,4,6-Trichlorophenol	n/a	=	88	%	EPA 625.1	-88	-88	52	129	PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2,4,6-Trichlorophenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2019/20-4	Lab	LCS	4/10/2020	Organic	2,4-Dichlorophenol	n/a	=	6.57	µg/L	EPA 8270C	0.51	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	2,4-Dichlorophenol	n/a	=	66	%	EPA 8270C	-88	-88	32	105	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	2,4-Dichlorophenol	n/a	=	7.12	µg/L	EPA 8270C	0.51	1			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	2,4-Dichlorophenol	n/a	=	71	%	EPA 8270C	-88	-88	32	105	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	2,4-Dichlorophenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	2,4-Dichlorophenol	n/a	=	20.8	µg/L	EPA 625.1	0.26	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2,4-Dichlorophenol	n/a	=	83	%	EPA 625.1	-88	-88	53	122	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2,4-Dichlorophenol	n/a	=	20.9	µg/L	EPA 625.1	0.26	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2,4-Dichlorophenol	n/a	=	84	%	EPA 625.1	-88	-88	53	122	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2,4-Dichlorophenol	n/a	=	0.9	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2,4-Dichlorophenol	n/a	=	21.3	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2,4-Dichlorophenol	n/a	=	85	%	EPA 625.1	-88	-88	53	122	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2,4-Dichlorophenol	n/a	=	21.2	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2,4-Dichlorophenol	n/a	=	85	%	EPA 625.1	-88	-88	53	122	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2,4-Dichlorophenol	n/a	=	0.5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	000NONPJ	srgt matrix spike	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.4	-88	-88			
2019/20-4	000NONPJ	srgt matrix spike, rec	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	srgt matrix spike dup	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.4	-88	-88			
2019/20-4	000NONPJ	srgt matrix spike dup, rec	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	srgt method blank	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.26	µg/L	EPA 515.4	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	srgt LCS	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.4	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.4	-88	-88	70	130	
2019/20-4	ME-SCR	srgt environ	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.19	µg/L	EPA 515.4	-88	-88			
2019/20-4	ME-SCR	srgt environ, rec	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-4	ME-VR2	srgt environ	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.23	µg/L	EPA 515.4	-88	-88			
2019/20-4	ME-VR2	srgt environ, rec	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-4	MO-CAM	srgt environ	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.45	µg/L	EPA 515.4	-88	-88			
2019/20-4	MO-CAM	srgt environ, rec	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-4	MO-HUE	srgt environ	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.86	µg/L	EPA 515.4	-88	-88			
2019/20-4	MO-HUE	srgt environ, rec	4/9/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-4	MO-MEI	srgt environ	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.53	µg/L	EPA 515.4	-88	-88			
2019/20-4	MO-MEI	srgt environ, rec	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-4	MO-MPK	srgt environ	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	25.1	µg/L	EPA 515.4	-88	-88			GN
2019/20-4	MO-MPK	srgt environ, rec	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	251	%	EPA 515.4	-88	-88	70	130	GN
2019/20-4	MO-OJA	srgt environ	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.54	µg/L	EPA 515.4	-88	-88			
2019/20-4	MO-OJA	srgt environ, rec	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-4	MO-THO	srgt environ	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.55	µg/L	EPA 515.4	-88	-88			
2019/20-4	MO-THO	srgt environ, rec	4/10/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/10/2020	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-4	Lab	LCS	4/10/2020	Organic	2,4-Dimethylphenol	n/a	=	6.05	µg/L	EPA 8270C	1	2			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	2,4-Dimethylphenol	n/a	=	60	%	EPA 8270C	-88	-88	31	97	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	2,4-Dimethylphenol	n/a	=	6.73	µg/L	EPA 8270C	1	2			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	2,4-Dimethylphenol	n/a	=	67	%	EPA 8270C	-88	-88	31	97	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	2,4-Dimethylphenol	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	2,4-Dimethylphenol	n/a	=	19	µg/L	EPA 625.1	0.3	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2,4-Dimethylphenol	n/a	=	76	%	EPA 625.1	-88	-88	42	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2,4-Dimethylphenol	n/a	=	19.7	µg/L	EPA 625.1	0.3	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2,4-Dimethylphenol	n/a	=	79	%	EPA 625.1	-88	-88	42	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2,4-Dimethylphenol	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2,4-Dimethylphenol	n/a	=	17.5	µg/L	EPA 625.1	0.3	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2,4-Dimethylphenol	n/a	=	70	%	EPA 625.1	-88	-88	42	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2,4-Dimethylphenol	n/a	=	18.6	µg/L	EPA 625.1	0.3	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2,4-Dimethylphenol	n/a	=	75	%	EPA 625.1	-88	-88	42	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2,4-Dimethylphenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-4	Lab	LCS	4/10/2020	Organic	2,4-Dinitrophenol	n/a	=	7.51	µg/L	EPA 8270C	1	2			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	2,4-Dinitrophenol	n/a	=	75	%	EPA 8270C	-88	-88	7	155	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	2,4-Dinitrophenol	n/a	=	7	µg/L	EPA 8270C	1	2			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	2,4-Dinitrophenol	n/a	=	70	%	EPA 8270C	-88	-88	7	155	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	2,4-Dinitrophenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10			
2019/20-4	Lab	LCS	4/13/2020	Organic	2,4-Dinitrophenol	n/a	=	29.4	µg/L	EPA 625.1	1.9	10			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2,4-Dinitrophenol	n/a	=	117	%	EPA 625.1	-88	-88	0.1	173	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2,4-Dinitrophenol	n/a	=	32.3	µg/L	EPA 625.1	1.9	10			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2,4-Dinitrophenol	n/a	=	129	%	EPA 625.1	-88	-88	0.1	173	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2,4-Dinitrophenol	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2,4-Dinitrophenol	n/a	=	30.7	µg/L	EPA 625.1	1.9	10			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2,4-Dinitrophenol	n/a	=	123	%	EPA 625.1	-88	-88	0.1	173	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2,4-Dinitrophenol	n/a	=	33.1	µg/L	EPA 625.1	1.9	10			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2,4-Dinitrophenol	n/a	=	133	%	EPA 625.1	-88	-88	0.1	173	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2,4-Dinitrophenol	n/a	=	8	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	23.2	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	93	%	EPA 625.1	-88	-88	48	127	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	24.7	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	99	%	EPA 625.1	-88	-88	48	127	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2,4-Dinitrotoluene	n/a	=	23.4	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2,4-Dinitrotoluene	n/a	=	94	%	EPA 625.1	-88	-88	48	127	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2,4-Dinitrotoluene	n/a	=	24.6	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2,4-Dinitrotoluene	n/a	=	98	%	EPA 625.1	-88	-88	48	127	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2,4-Dinitrotoluene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	19.6	µg/L	EPA 625.1	0.27	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	78	%	EPA 625.1	-88	-88	68	137	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	20.9	µg/L	EPA 625.1	0.27	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	84	%	EPA 625.1	-88	-88	68	137	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2,6-Dinitrotoluene	n/a	=	19.6	µg/L	EPA 625.1	0.27	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2,6-Dinitrotoluene	n/a	=	78	%	EPA 625.1	-88	-88	68	137	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2,6-Dinitrotoluene	n/a	=	20.9	µg/L	EPA 625.1	0.27	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2,6-Dinitrotoluene	n/a	=	83	%	EPA 625.1	-88	-88	68	137	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2,6-Dinitrotoluene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	2-Chloronaphthalene	n/a	=	20.5	µg/L	EPA 625.1	0.45	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2-Chloronaphthalene	n/a	=	82	%	EPA 625.1	-88	-88	65	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2-Chloronaphthalene	n/a	=	21	µg/L	EPA 625.1	0.45	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2-Chloronaphthalene	n/a	=	84	%	EPA 625.1	-88	-88	65	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2-Chloronaphthalene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2-Chloronaphthalene	n/a	=	21	µg/L	EPA 625.1	0.45	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2-Chloronaphthalene	n/a	=	84	%	EPA 625.1	-88	-88	65	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2-Chloronaphthalene	n/a	=	21.1	µg/L	EPA 625.1	0.45	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2-Chloronaphthalene	n/a	=	84	%	EPA 625.1	-88	-88	65	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2-Chloronaphthalene	n/a	=	0.1	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2019/20-4	Lab	LCS	4/10/2020	Organic	2-Chlorophenol	n/a	=	6.05	µg/L	EPA 8270C	0.65	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	2-Chlorophenol	n/a	=	60	%	EPA 8270C	-88	-88	27	90	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	2-Chlorophenol	n/a	=	7.05	µg/L	EPA 8270C	0.65	1			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	2-Chlorophenol	n/a	=	71	%	EPA 8270C	-88	-88	27	90	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	2-Chlorophenol	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	2-Chlorophenol	n/a	=	19.1	µg/L	EPA 625.1	0.28	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2-Chlorophenol	n/a	=	76	%	EPA 625.1	-88	-88	36	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2-Chlorophenol	n/a	=	18.9	µg/L	EPA 625.1	0.28	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2-Chlorophenol	n/a	=	76	%	EPA 625.1	-88	-88	36	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2-Chlorophenol	n/a	=	0.7	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2-Chlorophenol	n/a	=	20.1	µg/L	EPA 625.1	0.28	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2-Chlorophenol	n/a	=	80	%	EPA 625.1	-88	-88	36	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2-Chlorophenol	n/a	=	19.5	µg/L	EPA 625.1	0.28	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2-Chlorophenol	n/a	=	78	%	EPA 625.1	-88	-88	36	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2-Chlorophenol	n/a	=	3	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	srgt method blank	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	3.8	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2019/20-4	Lab	srgt LCS	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	3.79	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 8270C	-88	-88	51	139	
2019/20-4	Lab	srgt LCS dup	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	4.16	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 8270C	-88	-88	51	139	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.71	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625.1	-88	-88	22	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	21.3	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625.1	-88	-88	22	120	
2019/20-4	Lab	srgt LCS dup	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	21.7	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625.1	-88	-88	22	120	
2019/20-4	Lab	srgt method blank	4/15/2020	Organic	2-Fluorobiphenyl	n/a	=	3.52	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/15/2020	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625.1	-88	-88	22	120	PJN
2019/20-4	Lab	srgt LCS	4/15/2020	Organic	2-Fluorobiphenyl	n/a	=	21.2	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/15/2020	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625.1	-88	-88	22	120	PJN
2019/20-4	Lab	srgt LCS dup	4/15/2020	Organic	2-Fluorobiphenyl	n/a	=	22	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS dup, rec	4/15/2020	Organic	2-Fluorobiphenyl	n/a	=	88	%	EPA 625.1	-88	-88	22	120	PJN
2019/20-4	ME-SCR	srgt environ	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	26.9	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	54	%	EPA 8270C	-88	-88	51	139	DG
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	28.7	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 625.1	-88	-88	22	120	DG
2019/20-4	MO-CAM	srgt environ	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	3.33	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 8270C	-88	-88	51	139	DG
2019/20-4	MO-CAM	srgt environ	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	3.54	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625.1	-88	-88	22	120	DG
2019/20-4	MO-HUE	srgt environ	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	3.39	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 8270C	-88	-88	51	139	DG
2019/20-4	MO-HUE	srgt environ	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.61	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/13/2020	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625.1	-88	-88	22	120	DG
2019/20-4	MO-MEI	srgt environ	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	3.16	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270C	-88	-88	51	139	DG
2019/20-4	MO-MEI	srgt environ	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	3.24	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 625.1	-88	-88	22	120	DG
2019/20-4	MO-MPK	srgt environ	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	3.99	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 8270C	-88	-88	51	139	DG
2019/20-4	MO-MPK	srgt environ	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	4.09	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 625.1	-88	-88	22	120	DG
2019/20-4	MO-OJA	srgt environ	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	40	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 8270C	-88	-88	51	139	DG
2019/20-4	MO-OJA	srgt environ	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	40	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625.1	-88	-88	22	120	DG
2019/20-4	MO-THO	srgt environ	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	3.52	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/9/2020	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270C	-88	-88	51	139	DG
2019/20-4	MO-THO	srgt environ	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	3.51	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/14/2020	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625.1	-88	-88	22	120	DG
2019/20-4	Lab	srgt method blank	4/10/2020	Organic	2-Fluorophenol	n/a	=	4.53	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270C	-88	-88	11	62	
2019/20-4	Lab	srgt LCS	4/10/2020	Organic	2-Fluorophenol	n/a	=	4.28	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270C	-88	-88	11	62	
2019/20-4	Lab	srgt LCS dup	4/10/2020	Organic	2-Fluorophenol	n/a	=	5.08	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	51	%	EPA 8270C	-88	-88	11	62	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	2-Fluorophenol	n/a	=	6.47	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	2-Fluorophenol	n/a	=	65	%	EPA 625.1	-88	-88	17	120	
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	2-Fluorophenol	n/a	=	30.7	µg/L	EPA 625.1	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	2-Fluorophenol	n/a	=	61	%	EPA 625.1	-88	-88	17	120	
2019/20-4	Lab	srgt LCS dup	4/13/2020	Organic	2-Fluorophenol	n/a	=	30.5	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/13/2020	Organic	2-Fluorophenol	n/a	=	61	%	EPA 625.1	-88	-88	17	120	
2019/20-4	Lab	srgt method blank	4/15/2020	Organic	2-Fluorophenol	n/a	=	5.68	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/15/2020	Organic	2-Fluorophenol	n/a	=	57	%	EPA 625.1	-88	-88	17	120	PJN
2019/20-4	Lab	srgt LCS	4/15/2020	Organic	2-Fluorophenol	n/a	=	31.9	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/15/2020	Organic	2-Fluorophenol	n/a	=	64	%	EPA 625.1	-88	-88	17	120	PJN
2019/20-4	Lab	srgt LCS dup	4/15/2020	Organic	2-Fluorophenol	n/a	=	30.4	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS dup, rec	4/15/2020	Organic	2-Fluorophenol	n/a	=	61	%	EPA 625.1	-88	-88	17	120	PJN
2019/20-4	ME-SCR	srgt environ	4/10/2020	Organic	2-Fluorophenol	n/a	=	37.7	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	DG
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	2-Fluorophenol	n/a	=	50.2	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625.1	-88	-88	17	120	DG
2019/20-4	MO-CAM	srgt environ	4/10/2020	Organic	2-Fluorophenol	n/a	=	3.51	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	35	%	EPA 8270C	-88	-88	11	62	DG
2019/20-4	MO-CAM	srgt environ	4/14/2020	Organic	2-Fluorophenol	n/a	=	4.96	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/14/2020	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625.1	-88	-88	17	120	DG
2019/20-4	MO-HUE	srgt environ	4/10/2020	Organic	2-Fluorophenol	n/a	=	3.87	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	39	%	EPA 8270C	-88	-88	11	62	DG
2019/20-4	MO-HUE	srgt environ	4/13/2020	Organic	2-Fluorophenol	n/a	=	5.48	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/13/2020	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625.1	-88	-88	17	120	DG
2019/20-4	MO-MEI	srgt environ	4/10/2020	Organic	2-Fluorophenol	n/a	=	3.85	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	DG
2019/20-4	MO-MEI	srgt environ	4/14/2020	Organic	2-Fluorophenol	n/a	=	4.64	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/14/2020	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625.1	-88	-88	17	120	DG
2019/20-4	MO-MPK	srgt environ	4/10/2020	Organic	2-Fluorophenol	n/a	=	4.87	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270C	-88	-88	11	62	DG
2019/20-4	MO-MPK	srgt environ	4/14/2020	Organic	2-Fluorophenol	n/a	=	5.83	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/14/2020	Organic	2-Fluorophenol	n/a	=	58	%	EPA 625.1	-88	-88	17	120	DG
2019/20-4	MO-OJA	srgt environ	4/10/2020	Organic	2-Fluorophenol	n/a	=	50.4	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	50	%	EPA 8270C	-88	-88	11	62	DG
2019/20-4	MO-OJA	srgt environ	4/14/2020	Organic	2-Fluorophenol	n/a	=	60.3	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/14/2020	Organic	2-Fluorophenol	n/a	=	60	%	EPA 625.1	-88	-88	17	120	DG
2019/20-4	MO-THO	srgt environ	4/10/2020	Organic	2-Fluorophenol	n/a	=	3.62	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/10/2020	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270C	-88	-88	11	62	DG
2019/20-4	MO-THO	srgt environ	4/14/2020	Organic	2-Fluorophenol	n/a	=	4.33	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/14/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625.1	-88	-88	17	120	DG
2019/20-4	Lab	method blank	4/9/2020	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	method blank	4/10/2020	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2019/20-4	Lab	method blank	4/10/2020	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2019/20-4	Lab	LCS	4/10/2020	Organic	2-Nitrophenol	n/a	=	5.73	µg/L	EPA 8270C	0.71	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	2-Nitrophenol	n/a	=	57	%	EPA 8270C	-88	-88	33	103	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	2-Nitrophenol	n/a	=	6.27	µg/L	EPA 8270C	0.71	1			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	2-Nitrophenol	n/a	=	63	%	EPA 8270C	-88	-88	33	103	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	2-Nitrophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	2-Nitrophenol	n/a	=	20.6	µg/L	EPA 625.1	0.26	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	2-Nitrophenol	n/a	=	83	%	EPA 625.1	-88	-88	45	167	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	2-Nitrophenol	n/a	=	21	µg/L	EPA 625.1	0.26	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	2-Nitrophenol	n/a	=	84	%	EPA 625.1	-88	-88	45	167	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	2-Nitrophenol	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	2-Nitrophenol	n/a	=	22.4	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	2-Nitrophenol	n/a	=	90	%	EPA 625.1	-88	-88	45	167	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	2-Nitrophenol	n/a	=	22.1	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	2-Nitrophenol	n/a	=	88	%	EPA 625.1	-88	-88	45	167	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	2-Nitrophenol	n/a	=	1	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5			
2019/20-4	Lab	LCS	4/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	23.2	µg/L	EPA 625.1	0.99	5			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	93	%	EPA 625.1	-88	-88	8	213	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	24.5	µg/L	EPA 625.1	0.99	5			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	98	%	EPA 625.1	-88	-88	8	213	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	19.8	µg/L	EPA 625.1	0.99	5			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	79	%	EPA 625.1	-88	-88	8	213	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	20.7	µg/L	EPA 625.1	0.99	5			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	83	%	EPA 625.1	-88	-88	8	213	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-4	Lab	method blank	4/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2019/20-4	Lab	LCS	4/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5.41	µg/L	EPA 8270C	0.14	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	54	%	EPA 8270C	-88	-88	33	118	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	4.97	µg/L	EPA 8270C	0.14	1			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	50	%	EPA 8270C	-88	-88	33	118	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5			
2019/20-4	Lab	LCS	4/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	24.2	µg/L	EPA 625.1	1.4	5			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	97	%	EPA 625.1	-88	-88	53	130	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26.4	µg/L	EPA 625.1	1.4	5			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	106	%	EPA 625.1	-88	-88	53	130	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	25	µg/L	EPA 625.1	1.4	5			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	100	%	EPA 625.1	-88	-88	53	130	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26.8	µg/L	EPA 625.1	1.4	5			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	107	%	EPA 625.1	-88	-88	53	130	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	21.8	µg/L	EPA 625.1	0.36	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	87	%	EPA 625.1	-88	-88	65	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	23	µg/L	EPA 625.1	0.36	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	92	%	EPA 625.1	-88	-88	65	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	5	%	EPA 625.1	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	method blank	4/15/2020	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	21.1	µg/L	EPA 625.1	0.36	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	84	%	EPA 625.1	-88	-88	65	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	21.9	µg/L	EPA 625.1	0.36	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	87	%	EPA 625.1	-88	-88	65	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2019/20-4	Lab	LCS	4/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	7.03	µg/L	EPA 8270C	0.37	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	70	%	EPA 8270C	-88	-88	29	108	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	7.46	µg/L	EPA 8270C	0.37	1			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	75	%	EPA 8270C	-88	-88	29	108	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	4-Chloro-3-methylphenol	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	21	µg/L	EPA 625.1	0.23	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	84	%	EPA 625.1	-88	-88	41	128	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	22.1	µg/L	EPA 625.1	0.23	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	88	%	EPA 625.1	-88	-88	41	128	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	4-Chloro-3-methylphenol	n/a	=	21.7	µg/L	EPA 625.1	0.23	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	4-Chloro-3-methylphenol	n/a	=	87	%	EPA 625.1	-88	-88	41	128	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	4-Chloro-3-methylphenol	n/a	=	22.7	µg/L	EPA 625.1	0.23	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	4-Chloro-3-methylphenol	n/a	=	91	%	EPA 625.1	-88	-88	41	128	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	4-Chloro-3-methylphenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.3	µg/L	EPA 625.1	0.41	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	81	%	EPA 625.1	-88	-88	38	145	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.4	µg/L	EPA 625.1	0.41	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	85	%	EPA 625.1	-88	-88	38	145	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.9	µg/L	EPA 625.1	0.41	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	80	%	EPA 625.1	-88	-88	38	145	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.1	µg/L	EPA 625.1	0.41	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	84	%	EPA 625.1	-88	-88	38	145	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-4	Lab	LCS	4/10/2020	Organic	4-Nitrophenol	n/a	=	2.78	µg/L	EPA 8270C	1	2			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	4-Nitrophenol	n/a	=	28	%	EPA 8270C	-88	-88	6	46	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	4-Nitrophenol	n/a	=	2.85	µg/L	EPA 8270C	1	2			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	4-Nitrophenol	n/a	=	28	%	EPA 8270C	-88	-88	6	46	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	4-Nitrophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5			
2019/20-4	Lab	LCS	4/13/2020	Organic	4-Nitrophenol	n/a	=	11.9	µg/L	EPA 625.1	1.2	5			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	4-Nitrophenol	n/a	=	47	%	EPA 625.1	-88	-88	13	129	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	4-Nitrophenol	n/a	=	12.7	µg/L	EPA 625.1	1.2	5			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	4-Nitrophenol	n/a	=	51	%	EPA 625.1	-88	-88	13	129	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	4-Nitrophenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	4-Nitrophenol	n/a	=	11.9	µg/L	EPA 625.1	1.2	5			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	4-Nitrophenol	n/a	=	48	%	EPA 625.1	-88	-88	13	129	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	4-Nitrophenol	n/a	=	12.4	µg/L	EPA 625.1	1.2	5			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	4-Nitrophenol	n/a	=	49	%	EPA 625.1	-88	-88	13	129	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	4-Nitrophenol	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Acenaphthene	n/a	=	7.26	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Acenaphthene	n/a	=	73	%	EPA 8270C	-88	-88	11	122	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Acenaphthene	n/a	=	8.29	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Acenaphthene	n/a	=	83	%	EPA 8270C	-88	-88	11	122	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Acenaphthene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Acenaphthene	n/a	=	22.3	µg/L	EPA 625.1	0.38	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Acenaphthene	n/a	=	89	%	EPA 625.1	-88	-88	60	132	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Acenaphthene	n/a	=	23	µg/L	EPA 625.1	0.38	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Acenaphthene	n/a	=	92	%	EPA 625.1	-88	-88	60	132	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Acenaphthene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Acenaphthene	n/a	=	22	µg/L	EPA 625.1	0.38	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Acenaphthene	n/a	=	88	%	EPA 625.1	-88	-88	60	132	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Acenaphthene	n/a	=	22.9	µg/L	EPA 625.1	0.38	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Acenaphthene	n/a	=	92	%	EPA 625.1	-88	-88	60	132	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Acenaphthene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Acenaphthylene	n/a	=	7.65	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Acenaphthylene	n/a	=	76	%	EPA 8270C	-88	-88	4	135	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Acenaphthylene	n/a	=	8.81	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Acenaphthylene	n/a	=	88	%	EPA 8270C	-88	-88	4	135	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Acenaphthylene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Acenaphthylene	n/a	=	22	µg/L	EPA 625.1	0.17	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Acenaphthylene	n/a	=	88	%	EPA 625.1	-88	-88	54	126	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Acenaphthylene	n/a	=	22.8	µg/L	EPA 625.1	0.17	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Acenaphthylene	n/a	=	91	%	EPA 625.1	-88	-88	54	126	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Acenaphthylene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Acenaphthylene	n/a	=	21.9	µg/L	EPA 625.1	0.17	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Acenaphthylene	n/a	=	88	%	EPA 625.1	-88	-88	54	126	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Acenaphthylene	n/a	=	22.6	µg/L	EPA 625.1	0.17	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Acenaphthylene	n/a	=	90	%	EPA 625.1	-88	-88	54	126	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Acenaphthylene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Anthracene	n/a	=	6.96	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Anthracene	n/a	=	70	%	EPA 8270C	-88	-88	22	127	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Anthracene	n/a	=	7.97	µg/L	EPA 8270C	0.1	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Anthracene	n/a	=	80	%	EPA 8270C	-88	-88	22	127	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Anthracene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Anthracene	n/a	=	21.9	µg/L	EPA 625.1	0.12	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Anthracene	n/a	=	87	%	EPA 625.1	-88	-88	43	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Anthracene	n/a	=	23	µg/L	EPA 625.1	0.12	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Anthracene	n/a	=	92	%	EPA 625.1	-88	-88	43	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Anthracene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Anthracene	n/a	=	21.8	µg/L	EPA 625.1	0.12	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Anthracene	n/a	=	87	%	EPA 625.1	-88	-88	43	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Anthracene	n/a	=	23.3	µg/L	EPA 625.1	0.12	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Anthracene	n/a	=	93	%	EPA 625.1	-88	-88	43	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Anthracene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Benz(a)anthracene	n/a	=	6.93	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Benz(a)anthracene	n/a	=	69	%	EPA 8270C	-88	-88	17	131	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Benz(a)anthracene	n/a	=	7.63	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Benz(a)anthracene	n/a	=	76	%	EPA 8270C	-88	-88	17	131	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Benz(a)anthracene	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Benz(a)anthracene	n/a	=	28.8	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Benz(a)anthracene	n/a	=	115	%	EPA 625.1	-88	-88	42	133	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Benz(a)anthracene	n/a	=	31	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Benz(a)anthracene	n/a	=	124	%	EPA 625.1	-88	-88	42	133	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Benz(a)anthracene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Benz(a)anthracene	n/a	=	26.3	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Benz(a)anthracene	n/a	=	105	%	EPA 625.1	-88	-88	42	133	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Benz(a)anthracene	n/a	=	27.9	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Benz(a)anthracene	n/a	=	111	%	EPA 625.1	-88	-88	42	133	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Benz(a)anthracene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10			
2019/20-4	Lab	method blank	4/15/2020	Organic	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10			PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Benzo(a)pyrene	n/a	=	7.43	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Benzo(a)pyrene	n/a	=	74	%	EPA 8270C	-88	-88	12	131	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Benzo(a)pyrene	n/a	=	8.63	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Benzo(a)pyrene	n/a	=	86	%	EPA 8270C	-88	-88	12	131	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Benzo(a)pyrene	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/10/2020	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-4	Lab	LCS	4/10/2020	Organic	Benzo(a)pyrene	n/a	=	5.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	Benzo(a)pyrene	n/a	=	101	%	EPA 525.2	-88	-88	60	130	
2019/20-4	Lab	method blank	4/13/2020	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	4.85	µg/L	EPA 525.2	0.07	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 525.2	-88	-88	60	130	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	29	µg/L	EPA 625.1	0.39	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	116	%	EPA 625.1	-88	-88	32	148	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	29.7	µg/L	EPA 625.1	0.39	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	119	%	EPA 625.1	-88	-88	32	148	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Benzo(a)pyrene	n/a	=	25.3	µg/L	EPA 625.1	0.39	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Benzo(a)pyrene	n/a	=	101	%	EPA 625.1	-88	-88	32	148	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Benzo(a)pyrene	n/a	=	26.8	µg/L	EPA 625.1	0.39	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Benzo(a)pyrene	n/a	=	107	%	EPA 625.1	-88	-88	32	148	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Organic	Benzo(a)pyrene	n/a	=	243	µg/L	EPA 525.2	3.5	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 525.2	-88	-88	60	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Organic	Benzo(a)pyrene	n/a	=	258	µg/L	EPA 525.2	3.5	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Organic	Benzo(a)pyrene	n/a	=	103	%	EPA 525.2	-88	-88	60	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	228	µg/L	EPA 525.2	3.5	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	91	%	EPA 525.2	-88	-88	60	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	236	µg/L	EPA 525.2	3.5	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	95	%	EPA 525.2	-88	-88	60	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Benzo(b)fluoranthene	n/a	=	7.26	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Benzo(b)fluoranthene	n/a	=	73	%	EPA 8270C	-88	-88	19	129	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Benzo(b)fluoranthene	n/a	=	8.36	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Benzo(b)fluoranthene	n/a	=	84	%	EPA 8270C	-88	-88	19	129	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Benzo(b)fluoranthene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	27.8	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	111	%	EPA 625.1	-88	-88	42	140	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	27.9	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	112	%	EPA 625.1	-88	-88	42	140	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	0.4	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Benzo(b)fluoranthene	n/a	=	24.2	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Benzo(b)fluoranthene	n/a	=	97	%	EPA 625.1	-88	-88	42	140	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Benzo(b)fluoranthene	n/a	=	26.3	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Benzo(b)fluoranthene	n/a	=	105	%	EPA 625.1	-88	-88	42	140	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Benzo(b)fluoranthene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Benzo(g,h,i)perylene	n/a	=	7.71	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Benzo(g,h,i)perylene	n/a	=	77	%	EPA 8270C	-88	-88	14	139	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Benzo(g,h,i)perylene	n/a	=	9.37	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Benzo(g,h,i)perylene	n/a	=	94	%	EPA 8270C	-88	-88	14	139	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Benzo(g,h,i)perylene	n/a	=	19	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2			
2019/20-4	Lab	LCS	4/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	33.2	µg/L	EPA 625.1	0.42	2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	133	%	EPA 625.1	-88	-88	0.1	195	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	34.2	µg/L	EPA 625.1	0.42	2			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	137	%	EPA 625.1	-88	-88	0.1	195	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Benzo(g,h,i)perylene	n/a	=	28.6	µg/L	EPA 625.1	0.42	2			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Benzo(g,h,i)perylene	n/a	=	115	%	EPA 625.1	-88	-88	0.1	195	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Benzo(g,h,i)perylene	n/a	=	30.9	µg/L	EPA 625.1	0.42	2			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Benzo(g,h,i)perylene	n/a	=	123	%	EPA 625.1	-88	-88	0.1	195	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Benzo(g,h,i)perylene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Benzo(k)fluoranthene	n/a	=	6.84	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Benzo(k)fluoranthene	n/a	=	68	%	EPA 8270C	-88	-88	22	127	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Benzo(k)fluoranthene	n/a	=	7.89	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Benzo(k)fluoranthene	n/a	=	79	%	EPA 8270C	-88	-88	22	127	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Benzo(k)fluoranthene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	26.7	µg/L	EPA 625.1	0.22	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	107	%	EPA 625.1	-88	-88	25	146	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	28.6	µg/L	EPA 625.1	0.22	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	114	%	EPA 625.1	-88	-88	25	146	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Benzo(k)fluoranthene	n/a	=	24.8	µg/L	EPA 625.1	0.22	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Benzo(k)fluoranthene	n/a	=	99	%	EPA 625.1	-88	-88	25	146	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Benzo(k)fluoranthene	n/a	=	26.3	µg/L	EPA 625.1	0.22	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Benzo(k)fluoranthene	n/a	=	105	%	EPA 625.1	-88	-88	25	146	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.4	µg/L	EPA 625.1	0.25	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	77	%	EPA 625.1	-88	-88	49	165	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.9	µg/L	EPA 625.1	0.25	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	80	%	EPA 625.1	-88	-88	49	165	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.6	µg/L	EPA 625.1	0.25	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	82	%	EPA 625.1	-88	-88	49	165	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.9	µg/L	EPA 625.1	0.25	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	84	%	EPA 625.1	-88	-88	49	165	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	2	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	18.9	µg/L	EPA 625.1	0.27	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	76	%	EPA 625.1	-88	-88	43	126	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	18.6	µg/L	EPA 625.1	0.27	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	74	%	EPA 625.1	-88	-88	43	126	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/15/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	19.6	µg/L	EPA 625.1	0.27	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	78	%	EPA 625.1	-88	-88	43	126	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	18.9	µg/L	EPA 625.1	0.27	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	75	%	EPA 625.1	-88	-88	43	126	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.6	µg/L	EPA 625.1	0.38	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	83	%	EPA 625.1	-88	-88	63	139	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.5	µg/L	EPA 625.1	0.38	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	82	%	EPA 625.1	-88	-88	63	139	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	0.8	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21.1	µg/L	EPA 625.1	0.38	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	84	%	EPA 625.1	-88	-88	63	139	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21	µg/L	EPA 625.1	0.38	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	84	%	EPA 625.1	-88	-88	63	139	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	0.6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-4	Lab	LCS	4/10/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.13	µg/L	EPA 525.2	0.1	5			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			PJN
2019/20-4	Lab	LCS	4/13/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.07	µg/L	EPA 525.2	0.1	5			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	101	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	147	µg/L	EPA 525.2	5.2	250			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	59	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	148	µg/L	EPA 525.2	5.2	250			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	59	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	147	µg/L	EPA 525.2	5.2	250			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	59	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	148	µg/L	EPA 525.2	5.2	250			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	59	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-4	Lab	LCS	4/10/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.26	µg/L	EPA 525.2	1.1	3			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			PJN
2019/20-4	Lab	LCS	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.14	µg/L	EPA 525.2	1.1	3			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5			
2019/20-4	Lab	LCS	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	29.4	µg/L	EPA 625.1	2.3	5			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	118	%	EPA 625.1	-88	-88	29	137	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	31.7	µg/L	EPA 625.1	2.3	5			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	127	%	EPA 625.1	-88	-88	29	137	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	26.6	µg/L	EPA 625.1	2.3	5			PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	106	%	EPA 625.1	-88	-88	29	137	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28.6	µg/L	EPA 625.1	2.3	5			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	114	%	EPA 625.1	-88	-88	29	137	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	7	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	151	µg/L	EPA 525.2	53	150			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	60	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	150	µg/L	EPA 525.2	53	150			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	60	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	151	µg/L	EPA 525.2	53	150			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	60	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	147	µg/L	EPA 525.2	53	150			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	59	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Butyl benzyl phthalate	n/a	=	27.8	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Butyl benzyl phthalate	n/a	=	111	%	EPA 625.1	-88	-88	0.1	140	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Butyl benzyl phthalate	n/a	=	30	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Butyl benzyl phthalate	n/a	=	120	%	EPA 625.1	-88	-88	0.1	140	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Butyl benzyl phthalate	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Butyl benzyl phthalate	n/a	=	26.5	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Butyl benzyl phthalate	n/a	=	106	%	EPA 625.1	-88	-88	0.1	140	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Butyl benzyl phthalate	n/a	=	28.3	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Butyl benzyl phthalate	n/a	=	113	%	EPA 625.1	-88	-88	0.1	140	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Butyl benzyl phthalate	n/a	=	7	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Chrysene	n/a	=	7.22	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Chrysene	n/a	=	72	%	EPA 8270C	-88	-88	32	126	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Chrysene	n/a	=	8.35	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Chrysene	n/a	=	84	%	EPA 8270C	-88	-88	32	126	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Chrysene	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Chrysene	n/a	=	22.9	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Chrysene	n/a	=	91	%	EPA 625.1	-88	-88	44	140	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Chrysene	n/a	=	24.2	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Chrysene	n/a	=	97	%	EPA 625.1	-88	-88	44	140	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Chrysene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Chrysene	n/a	=	22.7	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Chrysene	n/a	=	91	%	EPA 625.1	-88	-88	44	140	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Chrysene	n/a	=	23.8	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Chrysene	n/a	=	95	%	EPA 625.1	-88	-88	44	140	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Chrysene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Dibenz(a,h)anthracene	n/a	=	8.24	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Dibenz(a,h)anthracene	n/a	=	82	%	EPA 8270C	-88	-88	9	147	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Dibenz(a,h)anthracene	n/a	=	9.89	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Dibenz(a,h)anthracene	n/a	=	99	%	EPA 8270C	-88	-88	9	147	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Dibenz(a,h)anthracene	n/a	=	18	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2			
2019/20-4	Lab	LCS	4/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	29.5	µg/L	EPA 625.1	0.53	2			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	118	%	EPA 625.1	-88	-88	0.1	200	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	30.6	µg/L	EPA 625.1	0.53	2			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	122	%	EPA 625.1	-88	-88	0.1	200	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Dibenz(a,h)anthracene	n/a	=	26.2	µg/L	EPA 625.1	0.53	2			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Dibenz(a,h)anthracene	n/a	=	105	%	EPA 625.1	-88	-88	0.1	200	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Dibenz(a,h)anthracene	n/a	=	28.6	µg/L	EPA 625.1	0.53	2			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Dibenz(a,h)anthracene	n/a	=	115	%	EPA 625.1	-88	-88	0.1	200	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Dibenz(a,h)anthracene	n/a	=	9	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Diethyl phthalate	n/a	=	22.4	µg/L	EPA 625.1	0.15	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Diethyl phthalate	n/a	=	90	%	EPA 625.1	-88	-88	0.1	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Diethyl phthalate	n/a	=	23.8	µg/L	EPA 625.1	0.15	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Diethyl phthalate	n/a	=	95	%	EPA 625.1	-88	-88	0.1	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Diethyl phthalate	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Diethyl phthalate	n/a	=	22.6	µg/L	EPA 625.1	0.15	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Diethyl phthalate	n/a	=	90	%	EPA 625.1	-88	-88	0.1	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Diethyl phthalate	n/a	=	24.1	µg/L	EPA 625.1	0.15	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Diethyl phthalate	n/a	=	96	%	EPA 625.1	-88	-88	0.1	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Diethyl phthalate	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Dimethyl phthalate	n/a	=	21.1	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Dimethyl phthalate	n/a	=	85	%	EPA 625.1	-88	-88	0.1	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Dimethyl phthalate	n/a	=	22.5	µg/L	EPA 625.1	0.18	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Dimethyl phthalate	n/a	=	90	%	EPA 625.1	-88	-88	0.1	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Dimethyl phthalate	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Dimethyl phthalate	n/a	=	21	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Dimethyl phthalate	n/a	=	84	%	EPA 625.1	-88	-88	0.1	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Dimethyl phthalate	n/a	=	22.2	µg/L	EPA 625.1	0.18	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Dimethyl phthalate	n/a	=	89	%	EPA 625.1	-88	-88	0.1	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Dimethyl phthalate	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Di-n-butylphthalate	n/a	=	23.6	µg/L	EPA 625.1	0.1	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Di-n-butylphthalate	n/a	=	94	%	EPA 625.1	-88	-88	8	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Di-n-butylphthalate	n/a	=	25.1	µg/L	EPA 625.1	0.1	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Di-n-butylphthalate	n/a	=	100	%	EPA 625.1	-88	-88	8	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Di-n-butylphthalate	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Di-n-butylphthalate	n/a	=	24.1	µg/L	EPA 625.1	0.1	1			PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Di-n-butylphthalate	n/a	=	96	%	EPA 625.1	-88	-88	8	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Di-n-butylphthalate	n/a	=	26.2	µg/L	EPA 625.1	0.1	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Di-n-butylphthalate	n/a	=	105	%	EPA 625.1	-88	-88	8	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Di-n-butylphthalate	n/a	=	8	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Di-n-octylphthalate	n/a	=	26.4	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Di-n-octylphthalate	n/a	=	106	%	EPA 625.1	-88	-88	19	132	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Di-n-octylphthalate	n/a	=	27.6	µg/L	EPA 625.1	0.46	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Di-n-octylphthalate	n/a	=	110	%	EPA 625.1	-88	-88	19	132	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Di-n-octylphthalate	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Di-n-octylphthalate	n/a	=	25.1	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Di-n-octylphthalate	n/a	=	100	%	EPA 625.1	-88	-88	19	132	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Di-n-octylphthalate	n/a	=	26.4	µg/L	EPA 625.1	0.46	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Di-n-octylphthalate	n/a	=	106	%	EPA 625.1	-88	-88	19	132	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Di-n-octylphthalate	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Fluoranthene	n/a	=	7.35	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Fluoranthene	n/a	=	74	%	EPA 8270C	-88	-88	22	131	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Fluoranthene	n/a	=	8.39	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Fluoranthene	n/a	=	84	%	EPA 8270C	-88	-88	22	131	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Fluoranthene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Fluoranthene	n/a	=	22.9	µg/L	EPA 625.1	0.08	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Fluoranthene	n/a	=	92	%	EPA 625.1	-88	-88	43	121	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Fluoranthene	n/a	=	24.6	µg/L	EPA 625.1	0.08	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Fluoranthene	n/a	=	98	%	EPA 625.1	-88	-88	43	121	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Fluoranthene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Fluoranthene	n/a	=	23.3	µg/L	EPA 625.1	0.08	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Fluoranthene	n/a	=	93	%	EPA 625.1	-88	-88	43	121	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Fluoranthene	n/a	=	24.4	µg/L	EPA 625.1	0.08	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Fluoranthene	n/a	=	97	%	EPA 625.1	-88	-88	43	121	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Fluoranthene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Fluorene	n/a	=	7.39	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Fluorene	n/a	=	74	%	EPA 8270C	-88	-88	19	122	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Fluorene	n/a	=	8.44	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Fluorene	n/a	=	84	%	EPA 8270C	-88	-88	19	122	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Fluorene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Fluorene	n/a	=	22.8	µg/L	EPA 625.1	0.35	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Fluorene	n/a	=	91	%	EPA 625.1	-88	-88	70	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Fluorene	n/a	=	23.7	µg/L	EPA 625.1	0.35	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Fluorene	n/a	=	95	%	EPA 625.1	-88	-88	70	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Fluorene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1			PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/15/2020	Organic	Fluorene	n/a	=	22.5	µg/L	EPA 625.1	0.35	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Fluorene	n/a	=	90	%	EPA 625.1	-88	-88	70	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Fluorene	n/a	=	23.4	µg/L	EPA 625.1	0.35	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Fluorene	n/a	=	94	%	EPA 625.1	-88	-88	70	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Fluorene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Hexachlorobenzene	n/a	=	22.4	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Hexachlorobenzene	n/a	=	90	%	EPA 625.1	-88	-88	8	142	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Hexachlorobenzene	n/a	=	23.6	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Hexachlorobenzene	n/a	=	94	%	EPA 625.1	-88	-88	8	142	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Hexachlorobenzene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Hexachlorobenzene	n/a	=	21.8	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Hexachlorobenzene	n/a	=	87	%	EPA 625.1	-88	-88	8	142	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Hexachlorobenzene	n/a	=	22.6	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Hexachlorobenzene	n/a	=	90	%	EPA 625.1	-88	-88	8	142	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Hexachlorobenzene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Hexachlorobutadiene	n/a	=	23.5	µg/L	EPA 625.1	0.47	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Hexachlorobutadiene	n/a	=	94	%	EPA 625.1	-88	-88	38	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Hexachlorobutadiene	n/a	=	23.3	µg/L	EPA 625.1	0.47	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Hexachlorobutadiene	n/a	=	93	%	EPA 625.1	-88	-88	38	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Hexachlorobutadiene	n/a	=	0.8	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Hexachlorobutadiene	n/a	=	22.9	µg/L	EPA 625.1	0.47	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Hexachlorobutadiene	n/a	=	91	%	EPA 625.1	-88	-88	38	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Hexachlorobutadiene	n/a	=	22.6	µg/L	EPA 625.1	0.47	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Hexachlorobutadiene	n/a	=	90	%	EPA 625.1	-88	-88	38	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Hexachlorobutadiene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5			
2019/20-4	Lab	LCS	4/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	12.7	µg/L	EPA 625.1	0.98	5			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	51	%	EPA 625.1	-88	-88	10	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	13.5	µg/L	EPA 625.1	0.98	5			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	54	%	EPA 625.1	-88	-88	10	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Hexachlorocyclopentadiene	n/a	=	13	µg/L	EPA 625.1	0.98	5			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Hexachlorocyclopentadiene	n/a	=	52	%	EPA 625.1	-88	-88	10	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Hexachlorocyclopentadiene	n/a	=	13.3	µg/L	EPA 625.1	0.98	5			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Hexachlorocyclopentadiene	n/a	=	53	%	EPA 625.1	-88	-88	10	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Hexachlorocyclopentadiene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Hexachloroethane	n/a	=	19.5	µg/L	EPA 625.1	0.5	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Hexachloroethane	n/a	=	78	%	EPA 625.1	-88	-88	55	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Hexachloroethane	n/a	=	18.9	µg/L	EPA 625.1	0.5	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Hexachloroethane	n/a	=	76	%	EPA 625.1	-88	-88	55	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Hexachloroethane	n/a	=	3	%	EPA 625.1	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	method blank	4/15/2020	Organic	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Hexachloroethane	n/a	=	19.6	µg/L	EPA 625.1	0.5	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Hexachloroethane	n/a	=	78	%	EPA 625.1	-88	-88	55	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Hexachloroethane	n/a	=	18.8	µg/L	EPA 625.1	0.5	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Hexachloroethane	n/a	=	75	%	EPA 625.1	-88	-88	55	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Hexachloroethane	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.07	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	81	%	EPA 8270C	-88	-88	12	136	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.42	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	94	%	EPA 8270C	-88	-88	12	136	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2			
2019/20-4	Lab	LCS	4/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	28.9	µg/L	EPA 625.1	0.55	2			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	116	%	EPA 625.1	-88	-88	0.1	151	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	30	µg/L	EPA 625.1	0.55	2			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	120	%	EPA 625.1	-88	-88	0.1	151	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	25.4	µg/L	EPA 625.1	0.55	2			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	102	%	EPA 625.1	-88	-88	0.1	151	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	27.6	µg/L	EPA 625.1	0.55	2			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	110	%	EPA 625.1	-88	-88	0.1	151	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Isophorone	n/a	=	20.2	µg/L	EPA 625.1	0.21	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Isophorone	n/a	=	81	%	EPA 625.1	-88	-88	47	180	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Isophorone	n/a	=	20.8	µg/L	EPA 625.1	0.21	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Isophorone	n/a	=	83	%	EPA 625.1	-88	-88	47	180	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Isophorone	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Isophorone	n/a	=	21.3	µg/L	EPA 625.1	0.21	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Isophorone	n/a	=	85	%	EPA 625.1	-88	-88	47	180	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Isophorone	n/a	=	21.6	µg/L	EPA 625.1	0.21	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Isophorone	n/a	=	86	%	EPA 625.1	-88	-88	47	180	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Isophorone	n/a	=	1	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/9/2020	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Naphthalene	n/a	=	6.65	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Naphthalene	n/a	=	67	%	EPA 8270C	-88	-88	12	136	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Naphthalene	n/a	=	7.73	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Naphthalene	n/a	=	77	%	EPA 8270C	-88	-88	12	136	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Naphthalene	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Naphthalene	n/a	=	21.3	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Naphthalene	n/a	=	85	%	EPA 625.1	-88	-88	36	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Naphthalene	n/a	=	20.7	µg/L	EPA 625.1	0.49	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Naphthalene	n/a	=	83	%	EPA 625.1	-88	-88	36	120	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Naphthalene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Naphthalene	n/a	=	21	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Naphthalene	n/a	=	84	%	EPA 625.1	-88	-88	36	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Naphthalene	n/a	=	20.6	µg/L	EPA 625.1	0.49	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Naphthalene	n/a	=	82	%	EPA 625.1	-88	-88	36	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Naphthalene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Nitrobenzene	n/a	=	18.6	µg/L	EPA 625.1	0.36	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Nitrobenzene	n/a	=	75	%	EPA 625.1	-88	-88	54	158	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Nitrobenzene	n/a	=	18.5	µg/L	EPA 625.1	0.36	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Nitrobenzene	n/a	=	74	%	EPA 625.1	-88	-88	54	158	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Nitrobenzene	n/a	=	0.6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Nitrobenzene	n/a	=	19.8	µg/L	EPA 625.1	0.36	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Nitrobenzene	n/a	=	79	%	EPA 625.1	-88	-88	54	158	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Nitrobenzene	n/a	=	19.4	µg/L	EPA 625.1	0.36	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Nitrobenzene	n/a	=	78	%	EPA 625.1	-88	-88	54	158	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Nitrobenzene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	srgt method blank	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	3.4	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2019/20-4	Lab	srgt LCS	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	3.39	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 8270C	-88	-88	51	143	
2019/20-4	Lab	srgt LCS dup	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	3.92	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 8270C	-88	-88	51	143	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	3.67	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625.1	-88	-88	47	120	
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	20.7	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	83	%	EPA 625.1	-88	-88	47	120	
2019/20-4	Lab	srgt LCS dup	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	20.6	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 625.1	-88	-88	47	120	
2019/20-4	Lab	srgt method blank	4/15/2020	Organic	Nitrobenzene-d5	n/a	=	3.7	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/15/2020	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625.1	-88	-88	47	120	PJN
2019/20-4	Lab	srgt LCS	4/15/2020	Organic	Nitrobenzene-d5	n/a	=	21.9	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/15/2020	Organic	Nitrobenzene-d5	n/a	=	88	%	EPA 625.1	-88	-88	47	120	PJN
2019/20-4	Lab	srgt LCS dup	4/15/2020	Organic	Nitrobenzene-d5	n/a	=	21.4	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS dup, rec	4/15/2020	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 625.1	-88	-88	47	120	PJN
2019/20-4	ME-SCR	srgt environ	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	26.6	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	53	%	EPA 8270C	-88	-88	51	143	DG
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	31.9	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 625.1	-88	-88	47	120	DG
2019/20-4	MO-CAM	srgt environ	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	2.92	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	DG
2019/20-4	MO-CAM	srgt environ	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	3.46	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625.1	-88	-88	47	120	DG
2019/20-4	MO-HUE	srgt environ	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	2.88	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270C	-88	-88	51	143	DG

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-HUE	srgt environ	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	3.58	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/13/2020	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625.1	-88	-88	47	120	DG
2019/20-4	MO-MEI	srgt environ	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	2.78	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	56	%	EPA 8270C	-88	-88	51	143	DG
2019/20-4	MO-MEI	srgt environ	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	3.13	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 625.1	-88	-88	47	120	DG
2019/20-4	MO-MPK	srgt environ	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	3.71	µg/L	EPA 8270C	-88	-88			
2019/20-4	MO-MPK	srgt environ, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 8270C	-88	-88	51	143	
2019/20-4	MO-MPK	srgt environ	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	4.2	µg/L	EPA 625.1	-88	-88			
2019/20-4	MO-MPK	srgt environ, rec	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 625.1	-88	-88	47	120	
2019/20-4	MO-OJA	srgt environ	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	37.5	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270C	-88	-88	51	143	DG
2019/20-4	MO-OJA	srgt environ	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	42.6	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 625.1	-88	-88	47	120	DG
2019/20-4	MO-THO	srgt environ	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	3.17	µg/L	EPA 8270C	-88	-88			
2019/20-4	MO-THO	srgt environ, rec	4/9/2020	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270C	-88	-88	51	143	
2019/20-4	MO-THO	srgt environ	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	3.46	µg/L	EPA 625.1	-88	-88			
2019/20-4	MO-THO	srgt environ, rec	4/14/2020	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625.1	-88	-88	47	120	
2019/20-4	Lab	method blank	4/13/2020	Organic	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	13.4	µg/L	EPA 625.1	0.5	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	54	%	EPA 625.1	-88	-88	22	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	13.7	µg/L	EPA 625.1	0.5	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	55	%	EPA 625.1	-88	-88	22	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	N-Nitrosodimethylamine	n/a	=	13.2	µg/L	EPA 625.1	0.5	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	N-Nitrosodimethylamine	n/a	=	53	%	EPA 625.1	-88	-88	22	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	N-Nitrosodimethylamine	n/a	=	13.2	µg/L	EPA 625.1	0.5	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	N-Nitrosodimethylamine	n/a	=	53	%	EPA 625.1	-88	-88	22	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	N-Nitrosodimethylamine	n/a	=	0.1	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.3	µg/L	EPA 625.1	0.26	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625.1	-88	-88	14	198	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.8	µg/L	EPA 625.1	0.26	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	83	%	EPA 625.1	-88	-88	14	198	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	21.8	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	87	%	EPA 625.1	-88	-88	14	198	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	21.9	µg/L	EPA 625.1	0.26	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	88	%	EPA 625.1	-88	-88	14	198	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	0.9	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/13/2020	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	17.7	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625.1	-88	-88	47	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	19.2	µg/L	EPA 625.1	0.19	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	77	%	EPA 625.1	-88	-88	47	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	N-Nitrosodiphenylamine	n/a	=	17.9	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	N-Nitrosodiphenylamine	n/a	=	72	%	EPA 625.1	-88	-88	47	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	N-Nitrosodiphenylamine	n/a	=	19.1	µg/L	EPA 625.1	0.19	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	N-Nitrosodiphenylamine	n/a	=	76	%	EPA 625.1	-88	-88	47	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	N-Nitrosodiphenylamine	n/a	=	6	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	srgt method blank	4/10/2020	Organic	Perylene-d12	n/a	=	4.9	µg/L	EPA 525.2	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/10/2020	Organic	Perylene-d12	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2019/20-4	Lab	srgt LCS	4/10/2020	Organic	Perylene-d12	n/a	=	5.11	µg/L	EPA 525.2	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/10/2020	Organic	Perylene-d12	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	Perylene-d12	n/a	=	4.15	µg/L	EPA 525.2	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	Perylene-d12	n/a	=	83	%	EPA 525.2	-88	-88	50	120	PJN
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	Perylene-d12	n/a	=	4.81	µg/L	EPA 525.2	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	Perylene-d12	n/a	=	96	%	EPA 525.2	-88	-88	50	120	PJN
2019/20-4	ME-SCR	srgt matrix spike	4/10/2020	Organic	Perylene-d12	n/a	=	119	µg/L	EPA 525.2	-88	-88			DG,GN
2019/20-4	ME-SCR	srgt matrix spike, rec	4/10/2020	Organic	Perylene-d12	n/a	=	48	%	EPA 525.2	-88	-88	50	120	DG,GN
2019/20-4	ME-SCR	srgt matrix spike dup	4/10/2020	Organic	Perylene-d12	n/a	=	119	µg/L	EPA 525.2	-88	-88			DG,GN
2019/20-4	ME-SCR	srgt matrix spike dup, rec	4/10/2020	Organic	Perylene-d12	n/a	=	48	%	EPA 525.2	-88	-88	50	120	DG,GN
2019/20-4	ME-SCR	srgt matrix spike	4/13/2020	Organic	Perylene-d12	n/a	=	111	µg/L	EPA 525.2	-88	-88			DG,GN,PJN
2019/20-4	ME-SCR	srgt matrix spike, rec	4/13/2020	Organic	Perylene-d12	n/a	=	45	%	EPA 525.2	-88	-88	50	120	DG,GN,PJN
2019/20-4	ME-SCR	srgt matrix spike dup	4/13/2020	Organic	Perylene-d12	n/a	=	110	µg/L	EPA 525.2	-88	-88			DG,GN,PJN
2019/20-4	ME-SCR	srgt matrix spike dup, rec	4/13/2020	Organic	Perylene-d12	n/a	=	44	%	EPA 525.2	-88	-88	50	120	DG,GN,PJN
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	Perylene-d12	n/a	=	76.6	µg/L	EPA 525.2	-88	-88			DG,GN
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	Perylene-d12	n/a	=	31	%	EPA 525.2	-88	-88	50	120	DG,GN
2019/20-4	ME-VR2	srgt environ	4/10/2020	Organic	Perylene-d12	n/a	=	205	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-VR2	srgt environ, rec	4/10/2020	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	MO-CAM	srgt environ	4/10/2020	Organic	Perylene-d12	n/a	=	6.94	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/10/2020	Organic	Perylene-d12	n/a	=	69	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	MO-HUE	srgt environ	4/10/2020	Organic	Perylene-d12	n/a	=	4	µg/L	EPA 525.2	-88	-88			
2019/20-4	MO-HUE	srgt environ, rec	4/10/2020	Organic	Perylene-d12	n/a	=	80	%	EPA 525.2	-88	-88	50	120	
2019/20-4	MO-MEI	srgt environ	4/10/2020	Organic	Perylene-d12	n/a	=	32.4	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/10/2020	Organic	Perylene-d12	n/a	=	65	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	MO-MPK	srgt environ	4/10/2020	Organic	Perylene-d12	n/a	=	4.17	µg/L	EPA 525.2	-88	-88			DG,GN
2019/20-4	MO-MPK	srgt environ, rec	4/10/2020	Organic	Perylene-d12	n/a	=	42	%	EPA 525.2	-88	-88	50	120	DG,GN
2019/20-4	MO-OJA	srgt environ	4/10/2020	Organic	Perylene-d12	n/a	=	219	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/10/2020	Organic	Perylene-d12	n/a	=	88	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	MO-THO	srgt environ	4/10/2020	Organic	Perylene-d12	n/a	=	5.79	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/10/2020	Organic	Perylene-d12	n/a	=	58	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	Lab	method blank	4/9/2020	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Phenanthrene	n/a	=	7.21	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Phenanthrene	n/a	=	72	%	EPA 8270C	-88	-88	21	131	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Phenanthrene	n/a	=	8.23	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Phenanthrene	n/a	=	82	%	EPA 8270C	-88	-88	21	131	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Phenanthrene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Phenanthrene	n/a	=	22.6	µg/L	EPA 625.1	0.32	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Phenanthrene	n/a	=	90	%	EPA 625.1	-88	-88	65	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Phenanthrene	n/a	=	23.7	µg/L	EPA 625.1	0.32	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Phenanthrene	n/a	=	95	%	EPA 625.1	-88	-88	65	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Phenanthrene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Phenanthrene	n/a	=	23.1	µg/L	EPA 625.1	0.32	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Phenanthrene	n/a	=	92	%	EPA 625.1	-88	-88	65	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Phenanthrene	n/a	=	24.2	µg/L	EPA 625.1	0.32	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Phenanthrene	n/a	=	97	%	EPA 625.1	-88	-88	65	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Phenanthrene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/10/2020	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2019/20-4	Lab	LCS	4/10/2020	Organic	Phenol	n/a	=	3.02	µg/L	EPA 8270C	0.35	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Organic	Phenol	n/a	=	30	%	EPA 8270C	-88	-88	6	43	
2019/20-4	Lab	LCS dup	4/10/2020	Organic	Phenol	n/a	=	3.55	µg/L	EPA 8270C	0.35	1			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Organic	Phenol	n/a	=	35	%	EPA 8270C	-88	-88	6	43	
2019/20-4	Lab	LCS, RPD	4/10/2020	Organic	Phenol	n/a	=	16	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Phenol	n/a	=	8.43	µg/L	EPA 625.1	0.16	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Phenol	n/a	=	34	%	EPA 625.1	-88	-88	17	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Phenol	n/a	=	8.28	µg/L	EPA 625.1	0.16	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Phenol	n/a	=	33	%	EPA 625.1	-88	-88	17	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Phenol	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Phenol	n/a	=	8.93	µg/L	EPA 625.1	0.16	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Phenol	n/a	=	36	%	EPA 625.1	-88	-88	17	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Phenol	n/a	=	8.58	µg/L	EPA 625.1	0.16	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Phenol	n/a	=	34	%	EPA 625.1	-88	-88	17	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Phenol	n/a	=	4	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	srgt method blank	4/10/2020	Organic	Phenol-d5	n/a	=	3.03	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/10/2020	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2019/20-4	Lab	srgt LCS	4/10/2020	Organic	Phenol-d5	n/a	=	2.96	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/10/2020	Organic	Phenol-d5	n/a	=	30	%	EPA 8270C	-88	-88	5	46	
2019/20-4	Lab	srgt LCS dup	4/10/2020	Organic	Phenol-d5	n/a	=	3.33	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/10/2020	Organic	Phenol-d5	n/a	=	33	%	EPA 8270C	-88	-88	5	46	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	Phenol-d5	n/a	=	3.59	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 625.1	-88	-88	12	120	
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	Phenol-d5	n/a	=	19.3	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	Phenol-d5	n/a	=	39	%	EPA 625.1	-88	-88	12	120	
2019/20-4	Lab	srgt LCS dup	4/13/2020	Organic	Phenol-d5	n/a	=	19	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/13/2020	Organic	Phenol-d5	n/a	=	38	%	EPA 625.1	-88	-88	12	120	
2019/20-4	Lab	srgt method blank	4/15/2020	Organic	Phenol-d5	n/a	=	3.68	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/15/2020	Organic	Phenol-d5	n/a	=	37	%	EPA 625.1	-88	-88	12	120	PJN
2019/20-4	Lab	srgt LCS	4/15/2020	Organic	Phenol-d5	n/a	=	20.3	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/15/2020	Organic	Phenol-d5	n/a	=	41	%	EPA 625.1	-88	-88	12	120	PJN
2019/20-4	Lab	srgt LCS dup	4/15/2020	Organic	Phenol-d5	n/a	=	19.7	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS dup, rec	4/15/2020	Organic	Phenol-d5	n/a	=	39	%	EPA 625.1	-88	-88	12	120	PJN
2019/20-4	ME-SCR	srgt environ	4/10/2020	Organic	Phenol-d5	n/a	=	25.9	µg/L	EPA 8270C	-88	-88			DG

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	ME-SCR	srgt environ, rec	4/10/2020	Organic	Phenol-d5	n/a	=	26	%	EPA 8270C	-88	-88	5	46	DG
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	Phenol-d5	n/a	=	32.4	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	Phenol-d5	n/a	=	32	%	EPA 625.1	-88	-88	12	120	DG
2019/20-4	MO-CAM	srgt environ	4/10/2020	Organic	Phenol-d5	n/a	=	2.31	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/10/2020	Organic	Phenol-d5	n/a	=	23	%	EPA 8270C	-88	-88	5	46	DG
2019/20-4	MO-CAM	srgt environ	4/14/2020	Organic	Phenol-d5	n/a	=	2.62	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/14/2020	Organic	Phenol-d5	n/a	=	26	%	EPA 625.1	-88	-88	12	120	DG
2019/20-4	MO-HUE	srgt environ	4/10/2020	Organic	Phenol-d5	n/a	=	2.68	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/10/2020	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	DG
2019/20-4	MO-HUE	srgt environ	4/13/2020	Organic	Phenol-d5	n/a	=	3.08	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/13/2020	Organic	Phenol-d5	n/a	=	31	%	EPA 625.1	-88	-88	12	120	DG
2019/20-4	MO-MEI	srgt environ	4/10/2020	Organic	Phenol-d5	n/a	=	2.58	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/10/2020	Organic	Phenol-d5	n/a	=	26	%	EPA 8270C	-88	-88	5	46	DG
2019/20-4	MO-MEI	srgt environ	4/14/2020	Organic	Phenol-d5	n/a	=	2.99	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/14/2020	Organic	Phenol-d5	n/a	=	30	%	EPA 625.1	-88	-88	12	120	DG
2019/20-4	MO-MPK	srgt environ	4/10/2020	Organic	Phenol-d5	n/a	=	3.15	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/10/2020	Organic	Phenol-d5	n/a	=	32	%	EPA 8270C	-88	-88	5	46	DG
2019/20-4	MO-MPK	srgt environ	4/14/2020	Organic	Phenol-d5	n/a	=	3.63	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/14/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 625.1	-88	-88	12	120	DG
2019/20-4	MO-OJA	srgt environ	4/10/2020	Organic	Phenol-d5	n/a	=	33.8	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/10/2020	Organic	Phenol-d5	n/a	=	34	%	EPA 8270C	-88	-88	5	46	DG
2019/20-4	MO-OJA	srgt environ	4/14/2020	Organic	Phenol-d5	n/a	=	38.5	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/14/2020	Organic	Phenol-d5	n/a	=	39	%	EPA 625.1	-88	-88	12	120	DG
2019/20-4	MO-THO	srgt environ	4/10/2020	Organic	Phenol-d5	n/a	=	2.23	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/10/2020	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	DG
2019/20-4	MO-THO	srgt environ	4/14/2020	Organic	Phenol-d5	n/a	=	2.79	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/14/2020	Organic	Phenol-d5	n/a	=	28	%	EPA 625.1	-88	-88	12	120	DG
2019/20-4	Lab	srgt method blank	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	4.31	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 8270C	-88	-88	19	134	
2019/20-4	Lab	srgt LCS	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	3.98	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 8270C	-88	-88	19	134	
2019/20-4	Lab	srgt LCS dup	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	4.39	µg/L	EPA 8270C	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 8270C	-88	-88	19	134	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.61	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 625.1	-88	-88	44	129	
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	25.8	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	103	%	EPA 625.1	-88	-88	44	129	
2019/20-4	Lab	srgt LCS dup	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	27.9	µg/L	EPA 625.1	-88	-88			
2019/20-4	Lab	srgt LCS dup, rec	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	112	%	EPA 625.1	-88	-88	44	129	
2019/20-4	Lab	srgt method blank	4/15/2020	Organic	p-Terphenyl-d14	n/a	=	4.54	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/15/2020	Organic	p-Terphenyl-d14	n/a	=	91	%	EPA 625.1	-88	-88	44	129	PJN
2019/20-4	Lab	srgt LCS	4/15/2020	Organic	p-Terphenyl-d14	n/a	=	24.8	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/15/2020	Organic	p-Terphenyl-d14	n/a	=	99	%	EPA 625.1	-88	-88	44	129	PJN
2019/20-4	Lab	srgt LCS dup	4/15/2020	Organic	p-Terphenyl-d14	n/a	=	26.3	µg/L	EPA 625.1	-88	-88			PJN
2019/20-4	Lab	srgt LCS dup, rec	4/15/2020	Organic	p-Terphenyl-d14	n/a	=	105	%	EPA 625.1	-88	-88	44	129	PJN
2019/20-4	ME-SCR	srgt environ	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	33.2	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 8270C	-88	-88	19	134	DG

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	39.9	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625.1	-88	-88	44	129	DG
2019/20-4	MO-CAM	srgt environ	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	4.06	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 8270C	-88	-88	19	134	DG
2019/20-4	MO-CAM	srgt environ	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	5.08	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	102	%	EPA 625.1	-88	-88	44	129	DG
2019/20-4	MO-HUE	srgt environ	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	3.68	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 8270C	-88	-88	19	134	DG
2019/20-4	MO-HUE	srgt environ	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.58	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/13/2020	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 625.1	-88	-88	44	129	DG
2019/20-4	MO-MEI	srgt environ	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	3.72	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 8270C	-88	-88	19	134	DG
2019/20-4	MO-MEI	srgt environ	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	4.02	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625.1	-88	-88	44	129	DG
2019/20-4	MO-MPK	srgt environ	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	4.1	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270C	-88	-88	19	134	DG
2019/20-4	MO-MPK	srgt environ	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	4.92	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	98	%	EPA 625.1	-88	-88	44	129	DG
2019/20-4	MO-OJA	srgt environ	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	41.9	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	DG
2019/20-4	MO-OJA	srgt environ	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	53.8	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	108	%	EPA 625.1	-88	-88	44	129	DG
2019/20-4	MO-THO	srgt environ	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	4.18	µg/L	EPA 8270C	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/9/2020	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	DG
2019/20-4	MO-THO	srgt environ	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	5.06	µg/L	EPA 625.1	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/14/2020	Organic	p-Terphenyl-d14	n/a	=	101	%	EPA 625.1	-88	-88	44	129	DG
2019/20-4	Lab	method blank	4/9/2020	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS	4/9/2020	Organic	Pyrene	n/a	=	7.45	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Organic	Pyrene	n/a	=	75	%	EPA 8270C	-88	-88	26	128	
2019/20-4	Lab	LCS dup	4/9/2020	Organic	Pyrene	n/a	=	8.42	µg/L	EPA 8270C	0.1	0.1			
2019/20-4	Lab	LCS dup, rec	4/9/2020	Organic	Pyrene	n/a	=	84	%	EPA 8270C	-88	-88	26	128	
2019/20-4	Lab	LCS, RPD	4/9/2020	Organic	Pyrene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-4	Lab	LCS	4/13/2020	Organic	Pyrene	n/a	=	23.7	µg/L	EPA 625.1	0.25	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Organic	Pyrene	n/a	=	95	%	EPA 625.1	-88	-88	70	120	
2019/20-4	Lab	LCS dup	4/13/2020	Organic	Pyrene	n/a	=	25.5	µg/L	EPA 625.1	0.25	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Organic	Pyrene	n/a	=	102	%	EPA 625.1	-88	-88	70	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Organic	Pyrene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Organic	Pyrene	n/a	=	23.3	µg/L	EPA 625.1	0.25	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Organic	Pyrene	n/a	=	93	%	EPA 625.1	-88	-88	70	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Organic	Pyrene	n/a	=	24.5	µg/L	EPA 625.1	0.25	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Organic	Pyrene	n/a	=	98	%	EPA 625.1	-88	-88	70	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Organic	Pyrene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	srgt method blank	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0794	µg/L	EPA 608.3	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	79	%	EPA 608.3	-88	-88	32	130	
2019/20-4	Lab	srgt LCS	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.08	µg/L	EPA 608.3	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	srgt LCS, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	80	%	EPA 608.3	-88	-88	32	130	
2019/20-4	ME-SCR	srgt environ	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.74	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608.3	-88	-88	35	111	DG
2019/20-4	MO-CAM	srgt environ	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.009	µg/L	EPA 608.3	-88	-88			GN
2019/20-4	MO-CAM	srgt environ, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	9	%	EPA 608.3	-88	-88	35	111	GN
2019/20-4	MO-HUE	srgt matrix spike	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0719	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-HUE	srgt matrix spike, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608.3	-88	-88	32	130	DG
2019/20-4	MO-HUE	srgt matrix spike dup	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0615	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-HUE	srgt matrix spike dup, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	62	%	EPA 608.3	-88	-88	32	130	DG
2019/20-4	MO-HUE	srgt environ	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0624	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	62	%	EPA 608.3	-88	-88	35	111	DG
2019/20-4	MO-MEI	srgt environ	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.071	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	71	%	EPA 608.3	-88	-88	35	111	DG
2019/20-4	MO-MPK	srgt environ	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0754	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	75	%	EPA 608.3	-88	-88	35	111	DG
2019/20-4	MO-OJA	srgt environ	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.695	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608.3	-88	-88	35	111	DG
2019/20-4	MO-THO	srgt environ	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0727	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/15/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608.3	-88	-88	35	111	DG
2019/20-4	Lab	srgt method blank	4/10/2020	Organic	Triphenylphosphate	n/a	=	5.54	µg/L	EPA 525.2	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	srgt LCS	4/10/2020	Organic	Triphenylphosphate	n/a	=	5.91	µg/L	EPA 525.2	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	srgt method blank	4/13/2020	Organic	Triphenylphosphate	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			PJN
2019/20-4	Lab	srgt method blank, rec	4/13/2020	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	Lab	srgt LCS	4/13/2020	Organic	Triphenylphosphate	n/a	=	5.76	µg/L	EPA 525.2	-88	-88			PJN
2019/20-4	Lab	srgt LCS, rec	4/13/2020	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	Lab	srgt method blank	4/20/2020	Organic	Triphenylphosphate	n/a	=	0.602	µg/L	EPA 525.2m	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2019/20-4	Lab	srgt LCS	4/20/2020	Organic	Triphenylphosphate	n/a	=	0.585	µg/L	EPA 525.2m	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2019/20-4	ME-SCR	srgt matrix spike	4/10/2020	Organic	Triphenylphosphate	n/a	=	290	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-SCR	srgt matrix spike, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	srgt matrix spike dup	4/10/2020	Organic	Triphenylphosphate	n/a	=	291	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-SCR	srgt matrix spike dup, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	srgt matrix spike	4/13/2020	Organic	Triphenylphosphate	n/a	=	293	µg/L	EPA 525.2	-88	-88			DG,PJN
2019/20-4	ME-SCR	srgt matrix spike, rec	4/13/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	srgt matrix spike dup	4/13/2020	Organic	Triphenylphosphate	n/a	=	281	µg/L	EPA 525.2	-88	-88			DG,PJN
2019/20-4	ME-SCR	srgt matrix spike dup, rec	4/13/2020	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	srgt environ	4/13/2020	Organic	Triphenylphosphate	n/a	=	291	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/13/2020	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	srgt matrix spike	4/20/2020	Organic	Triphenylphosphate	n/a	=	69.1	µg/L	EPA 525.2m	-88	-88			DG,GN
2019/20-4	ME-SCR	srgt matrix spike, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	276	%	EPA 525.2m	-88	-88	40	163	DG,GN
2019/20-4	ME-SCR	srgt matrix spike dup	4/20/2020	Organic	Triphenylphosphate	n/a	=	69.7	µg/L	EPA 525.2m	-88	-88			DG,GN
2019/20-4	ME-SCR	srgt matrix spike dup, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	279	%	EPA 525.2m	-88	-88	40	163	DG,GN
2019/20-4	ME-SCR	srgt environ	4/20/2020	Organic	Triphenylphosphate	n/a	=	72	µg/L	EPA 525.2m	-88	-88			DG,GN
2019/20-4	ME-SCR	srgt environ, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	288	%	EPA 525.2m	-88	-88	40	163	DG,GN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	ME-VR2	srgt environ	4/10/2020	Organic	Triphenylphosphate	n/a	=	291	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	ME-VR2	srgt environ, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-VR2	srgt environ	4/20/2020	Organic	Triphenylphosphate	n/a	=	13.7	µg/L	EPA 525.2m	-88	-88			DG,GN
2019/20-4	ME-VR2	srgt environ, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	274	%	EPA 525.2m	-88	-88	40	163	DG,GN
2019/20-4	MO-CAM	srgt environ	4/10/2020	Organic	Triphenylphosphate	n/a	=	12.2	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-CAM	srgt environ, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-CAM	srgt environ	4/21/2020	Organic	Triphenylphosphate	n/a	=	0.636	µg/L	EPA 525.2m	-88	-88			
2019/20-4	MO-CAM	srgt environ, rec	4/21/2020	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2m	-88	-88	40	163	
2019/20-4	MO-HUE	srgt environ	4/10/2020	Organic	Triphenylphosphate	n/a	=	6.28	µg/L	EPA 525.2	-88	-88			
2019/20-4	MO-HUE	srgt environ, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2	-88	-88	70	130	
2019/20-4	MO-HUE	srgt environ	4/20/2020	Organic	Triphenylphosphate	n/a	=	0.698	µg/L	EPA 525.2m	-88	-88			
2019/20-4	MO-HUE	srgt environ, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	140	%	EPA 525.2m	-88	-88	40	163	
2019/20-4	MO-MEI	srgt environ	4/10/2020	Organic	Triphenylphosphate	n/a	=	61.9	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-MEI	srgt environ	4/20/2020	Organic	Triphenylphosphate	n/a	=	3.93	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	157	%	EPA 525.2m	-88	-88	40	163	DG
2019/20-4	MO-MPK	srgt environ	4/10/2020	Organic	Triphenylphosphate	n/a	=	12.4	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-MPK	srgt environ	4/20/2020	Organic	Triphenylphosphate	n/a	=	1.53	µg/L	EPA 525.2m	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	153	%	EPA 525.2m	-88	-88	40	163	DG
2019/20-4	MO-OJA	srgt environ	4/10/2020	Organic	Triphenylphosphate	n/a	=	292	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-OJA	srgt environ, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-OJA	srgt environ	4/20/2020	Organic	Triphenylphosphate	n/a	=	63.9	µg/L	EPA 525.2m	-88	-88			DG,GN
2019/20-4	MO-OJA	srgt environ, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	255	%	EPA 525.2m	-88	-88	40	163	DG,GN
2019/20-4	MO-THO	srgt environ	4/10/2020	Organic	Triphenylphosphate	n/a	=	12.4	µg/L	EPA 525.2	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/10/2020	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	MO-THO	srgt environ	4/20/2020	Organic	Triphenylphosphate	n/a	=	1.69	µg/L	EPA 525.2m	-88	-88			DG,GN
2019/20-4	MO-THO	srgt environ, rec	4/20/2020	Organic	Triphenylphosphate	n/a	=	169	%	EPA 525.2m	-88	-88	40	163	DG,GN
2019/20-4	Lab	srgt method blank	4/15/2020	PCB	PCB 209	n/a	=	0.104	µg/L	EPA 608.3	-88	-88			
2019/20-4	Lab	srgt method blank, rec	4/15/2020	PCB	PCB 209	n/a	=	104	%	EPA 608.3	-88	-88	33	133	
2019/20-4	Lab	srgt LCS	4/15/2020	PCB	PCB 209	n/a	=	0.0927	µg/L	EPA 608.3	-88	-88			
2019/20-4	Lab	srgt LCS, rec	4/15/2020	PCB	PCB 209	n/a	=	93	%	EPA 608.3	-88	-88	33	133	
2019/20-4	ME-SCR	srgt environ	4/15/2020	PCB	PCB 209	n/a	=	0.754	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	ME-SCR	srgt environ, rec	4/15/2020	PCB	PCB 209	n/a	=	75	%	EPA 608.3	-88	-88	34	125	DG
2019/20-4	MO-CAM	srgt environ	4/15/2020	PCB	PCB 209	n/a	=	0.0073	µg/L	EPA 608.3	-88	-88			GN
2019/20-4	MO-CAM	srgt environ, rec	4/15/2020	PCB	PCB 209	n/a	=	7	%	EPA 608.3	-88	-88	34	125	GN
2019/20-4	MO-HUE	srgt matrix spike	4/15/2020	PCB	PCB 209	n/a	=	0.0724	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-HUE	srgt matrix spike, rec	4/15/2020	PCB	PCB 209	n/a	=	72	%	EPA 608.3	-88	-88	33	133	DG
2019/20-4	MO-HUE	srgt matrix spike dup	4/15/2020	PCB	PCB 209	n/a	=	0.0757	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-HUE	srgt matrix spike dup, rec	4/15/2020	PCB	PCB 209	n/a	=	76	%	EPA 608.3	-88	-88	33	133	DG
2019/20-4	MO-HUE	srgt environ	4/15/2020	PCB	PCB 209	n/a	=	0.0605	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-HUE	srgt environ, rec	4/15/2020	PCB	PCB 209	n/a	=	60	%	EPA 608.3	-88	-88	34	125	DG
2019/20-4	MO-MEI	srgt environ	4/15/2020	PCB	PCB 209	n/a	=	0.0623	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-MEI	srgt environ, rec	4/15/2020	PCB	PCB 209	n/a	=	62	%	EPA 608.3	-88	-88	34	125	DG
2019/20-4	MO-MPK	srgt environ	4/15/2020	PCB	PCB 209	n/a	=	0.0646	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-MPK	srgt environ, rec	4/15/2020	PCB	PCB 209	n/a	=	65	%	EPA 608.3	-88	-88	34	125	DG
2019/20-4	MO-OJA	srgt environ	4/15/2020	PCB	PCB 209	n/a	=	0.652	µg/L	EPA 608.3	-88	-88			DG



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-OJA	srgt environ, rec	4/15/2020	PCB	PCB 209	n/a	=	65	%	EPA 608.3	-88	-88	34	125	DG
2019/20-4	MO-THO	srgt environ	4/15/2020	PCB	PCB 209	n/a	=	0.0851	µg/L	EPA 608.3	-88	-88			DG
2019/20-4	MO-THO	srgt environ, rec	4/15/2020	PCB	PCB 209	n/a	=	85	%	EPA 608.3	-88	-88	34	125	DG
2019/20-4	Lab	method blank	4/15/2020	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-4	Lab	method blank	4/15/2020	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-4	Lab	method blank	4/15/2020	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-4	Lab	method blank	4/15/2020	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-4	Lab	method blank	4/15/2020	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-4	Lab	method blank	4/15/2020	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			
2019/20-4	Lab	method blank	4/15/2020	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	2,4,5-T	n/a	=	3.9	µg/L	EPA 515.4	0.055	0.2			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	2,4,5-T	n/a	=	3.94	µg/L	EPA 515.4	0.055	0.2			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	2,4,5-T	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	2,4,5-T	n/a	=	3.83	µg/L	EPA 515.4	0.055	0.2			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	2,4,5-T	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	2,4,5-TP	n/a	=	3.84	µg/L	EPA 515.4	0.046	0.2			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	2,4,5-TP	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	2,4,5-TP	n/a	=	3.94	µg/L	EPA 515.4	0.046	0.2			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	2,4,5-TP	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	2,4,5-TP	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	2,4,5-TP	n/a	=	3.93	µg/L	EPA 515.4	0.046	0.2			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	2,4,5-TP	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	2,4-D	n/a	=	7.5	µg/L	EPA 515.4	0.14	0.4			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	2,4-D	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	2,4-D	n/a	=	7.68	µg/L	EPA 515.4	0.14	0.4			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	2,4-D	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	2,4-D	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	2,4-D	n/a	=	7.94	µg/L	EPA 515.4	0.14	0.4			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	2,4-D	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	2,4-DB	n/a	=	16	µg/L	EPA 515.4	0.19	2			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	2,4-DB	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	2,4-DB	n/a	=	15.9	µg/L	EPA 515.4	0.19	2			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	2,4-DB	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	2,4-DB	n/a	=	0.4	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	2,4-DB	n/a	=	15.6	µg/L	EPA 515.4	0.19	2			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	2,4-DB	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.63	µg/L	EPA 515.4	0.12	1			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.9	µg/L	EPA 515.4	0.12	1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	4	%	EPA 515.4	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.03	µg/L	EPA 515.4	0.12	1			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/15/2020	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	4,4'-DDD	n/a	=	0.0901	µg/L	EPA 608.3	0.0007	0.05			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	4,4'-DDD	n/a	=	90	%	EPA 608.3	-88	-88	48	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.0812	µg/L	EPA 608.3	0.0014	0.1			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	4,4'-DDD	n/a	=	81	%	EPA 608.3	-88	-88	31	141	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.0782	µg/L	EPA 608.3	0.0014	0.1			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	4,4'-DDD	n/a	=	78	%	EPA 608.3	-88	-88	31	141	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	4,4'-DDD	n/a	=	4	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	4,4'-DDE	n/a	=	0.0814	µg/L	EPA 608.3	0.0007	0.05			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	4,4'-DDE	n/a	=	81	%	EPA 608.3	-88	-88	54	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.0666	µg/L	EPA 608.3	0.0014	0.1			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	4,4'-DDE	n/a	=	67	%	EPA 608.3	-88	-88	30	145	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.0641	µg/L	EPA 608.3	0.0014	0.1			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	4,4'-DDE	n/a	=	64	%	EPA 608.3	-88	-88	30	145	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	4,4'-DDE	n/a	=	4	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	4,4'-DDT	n/a	=	0.123	µg/L	EPA 608.3	0.0011	0.01			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	4,4'-DDT	n/a	=	123	%	EPA 608.3	-88	-88	46	137	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	4,4'-DDT	n/a	=	0.0955	µg/L	EPA 608.3	0.0022	0.02			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	4,4'-DDT	n/a	=	96	%	EPA 608.3	-88	-88	25	160	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	4,4'-DDT	n/a	=	0.0832	µg/L	EPA 608.3	0.0022	0.02			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	4,4'-DDT	n/a	=	83	%	EPA 608.3	-88	-88	25	160	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	4,4'-DDT	n/a	=	14	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	Acifluorfen	n/a	=	3.92	µg/L	EPA 515.4	0.072	0.4			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	Acifluorfen	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	Acifluorfen	n/a	=	3.86	µg/L	EPA 515.4	0.072	0.4			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	Acifluorfen	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	Acifluorfen	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	Acifluorfen	n/a	=	3.78	µg/L	EPA 515.4	0.072	0.4			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	Acifluorfen	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Alachlor	n/a	=	5.23	µg/L	EPA 525.2	0.022	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Alachlor	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Alachlor	n/a	=	5.36	µg/L	EPA 525.2	0.022	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Alachlor	n/a	=	107	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Alachlor	n/a	=	523	µg/L	EPA 525.2	1.1	5			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Alachlor	n/a	=	209	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Alachlor	n/a	=	541	µg/L	EPA 525.2	1.1	5			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Alachlor	n/a	=	216	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Alachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Alachlor	n/a	=	511	µg/L	EPA 525.2	1.1	5			DG,GB,PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Alachlor	n/a	=	204	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Alachlor	n/a	=	522	µg/L	EPA 525.2	1.1	5			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Alachlor	n/a	=	209	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Aldrin	n/a	=	0.0816	µg/L	EPA 608.3	0.001	0.005			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Aldrin	n/a	=	82	%	EPA 608.3	-88	-88	54	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Aldrin	n/a	=	0.095	µg/L	EPA 608.3	0.002	0.01			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Aldrin	n/a	=	95	%	EPA 608.3	-88	-88	42	140	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Aldrin	n/a	=	0.0887	µg/L	EPA 608.3	0.002	0.01			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Aldrin	n/a	=	89	%	EPA 608.3	-88	-88	42	140	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Aldrin	n/a	=	7	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	alpha-BHC	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	alpha-BHC	n/a	=	0.0887	µg/L	EPA 608.3	0.0011	0.01			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	alpha-BHC	n/a	=	89	%	EPA 608.3	-88	-88	49	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	alpha-BHC	n/a	=	0.0733	µg/L	EPA 608.3	0.0022	0.02			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608.3	-88	-88	37	140	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	alpha-BHC	n/a	=	0.0674	µg/L	EPA 608.3	0.0022	0.02			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	alpha-BHC	n/a	=	67	%	EPA 608.3	-88	-88	37	140	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	alpha-BHC	n/a	=	8	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Atrazine	n/a	=	5.59	µg/L	EPA 525.2	0.034	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Atrazine	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Atrazine	n/a	=	5.64	µg/L	EPA 525.2	0.034	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Atrazine	n/a	=	113	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Atrazine	n/a	=	257	µg/L	EPA 525.2	1.7	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Atrazine	n/a	=	103	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Atrazine	n/a	=	252	µg/L	EPA 525.2	1.7	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Atrazine	n/a	=	101	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Atrazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Atrazine	n/a	=	250	µg/L	EPA 525.2	1.7	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Atrazine	n/a	=	100	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Atrazine	n/a	=	254	µg/L	EPA 525.2	1.7	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Atrazine	n/a	=	102	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Atrazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Azinphos methyl	n/a	=	0.0313	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Azinphos methyl	n/a	=	63	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Azinphos methyl	n/a	=	8.9	µg/L	EPA 525.2m	0.28	0.5			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Azinphos methyl	n/a	=	356	%	EPA 525.2m	-88	-88	0.1	154	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Azinphos methyl	n/a	=	9.13	µg/L	EPA 525.2m	0.28	0.5			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Azinphos methyl	n/a	=	365	%	EPA 525.2m	-88	-88	0.1	154	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Azinphos methyl	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	DG,GB
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	Bentazon	n/a	=	14.6	µg/L	EPA 515.4	0.23	2			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	Bentazon	n/a	=	91	%	EPA 515.4	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	Bentazon	n/a	=	15.4	µg/L	EPA 515.4	0.23	2			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	Bentazon	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	Bentazon	n/a	=	5	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	Bentazon	n/a	=	15.2	µg/L	EPA 515.4	0.23	2			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	Bentazon	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/15/2020	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	beta-BHC	n/a	=	0.0978	µg/L	EPA 608.3	0.0015	0.005			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	beta-BHC	n/a	=	98	%	EPA 608.3	-88	-88	39	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	beta-BHC	n/a	=	0.091	µg/L	EPA 608.3	0.003	0.01			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	beta-BHC	n/a	=	91	%	EPA 608.3	-88	-88	17	147	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	beta-BHC	n/a	=	0.0948	µg/L	EPA 608.3	0.003	0.01			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	beta-BHC	n/a	=	95	%	EPA 608.3	-88	-88	17	147	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	beta-BHC	n/a	=	4	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Bolstar	n/a	=	0.041	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Bolstar	n/a	=	82	%	EPA 525.2m	-88	-88	11	166	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Bolstar	n/a	=	3.34	µg/L	EPA 525.2m	0.23	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Bolstar	n/a	=	134	%	EPA 525.2m	-88	-88	4	184	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Bolstar	n/a	=	3.44	µg/L	EPA 525.2m	0.23	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Bolstar	n/a	=	138	%	EPA 525.2m	-88	-88	4	184	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Bolstar	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Bromacil	n/a	=	5.62	µg/L	EPA 525.2	0.038	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Bromacil	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Bromacil	n/a	=	5.29	µg/L	EPA 525.2	0.038	1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Bromacil	n/a	=	106	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Bromacil	n/a	=	514	µg/L	EPA 525.2	1.9	50			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Bromacil	n/a	=	206	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Bromacil	n/a	=	571	µg/L	EPA 525.2	1.9	50			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Bromacil	n/a	=	228	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Bromacil	n/a	=	10	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Bromacil	n/a	=	482	µg/L	EPA 525.2	1.9	50			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Bromacil	n/a	=	193	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Bromacil	n/a	=	498	µg/L	EPA 525.2	1.9	50			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Bromacil	n/a	=	199	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Bromacil	n/a	=	3	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Butachlor	n/a	=	5.19	µg/L	EPA 525.2	0.017	0.2			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Butachlor	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Butachlor	n/a	=	5.25	µg/L	EPA 525.2	0.017	0.2			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Butachlor	n/a	=	105	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Butachlor	n/a	=	515	µg/L	EPA 525.2	0.85	10			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Butachlor	n/a	=	206	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Butachlor	n/a	=	514	µg/L	EPA 525.2	0.85	10			DG,GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Butachlor	n/a	=	206	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Butachlor	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Butachlor	n/a	=	503	µg/L	EPA 525.2	0.85	10			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Butachlor	n/a	=	201	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Butachlor	n/a	=	512	µg/L	EPA 525.2	0.85	10			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Butachlor	n/a	=	205	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Captan	n/a	=	5.18	µg/L	EPA 525.2	0.86	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Captan	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Captan	n/a	=	4.55	µg/L	EPA 525.2	0.86	1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Captan	n/a	=	91	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Captan	n/a	=	288	µg/L	EPA 525.2	43	50			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Captan	n/a	=	115	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Captan	n/a	=	293	µg/L	EPA 525.2	43	50			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Captan	n/a	=	117	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Captan	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Captan	n/a	=	274	µg/L	EPA 525.2	43	50			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Captan	n/a	=	110	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Captan	n/a	=	262	µg/L	EPA 525.2	43	50			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Captan	n/a	=	105	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Captan	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Chloroprotham	n/a	=	5.22	µg/L	EPA 525.2	0.01	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Chloroprotham	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Chloroprotham	n/a	=	5.3	µg/L	EPA 525.2	0.01	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Chloroprotham	n/a	=	106	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Chloroprotham	n/a	=	270	µg/L	EPA 525.2	0.5	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Chloroprotham	n/a	=	108	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Chloroprotham	n/a	=	272	µg/L	EPA 525.2	0.5	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Chloroprotham	n/a	=	109	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Chloroprotham	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Chloroprotham	n/a	=	271	µg/L	EPA 525.2	0.5	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Chloroprotham	n/a	=	108	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Chloroprotham	n/a	=	272	µg/L	EPA 525.2	0.5	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Chloroprotham	n/a	=	109	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Chloroprotham	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Chlorpyrifos	n/a	=	0.0638	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Chlorpyrifos	n/a	=	128	%	EPA 525.2m	-88	-88	37	169	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Chlorpyrifos	n/a	=	3.04	µg/L	EPA 525.2m	0.34	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Chlorpyrifos	n/a	=	122	%	EPA 525.2m	-88	-88	37	168	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Chlorpyrifos	n/a	=	2.93	µg/L	EPA 525.2m	0.34	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Chlorpyrifos	n/a	=	117	%	EPA 525.2m	-88	-88	37	168	DG

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Chlorpyrifos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Coumaphos	n/a	=	0.0374	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Coumaphos	n/a	=	75	%	EPA 525.2m	-88	-88	0.1	225	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Coumaphos	n/a	=	5.08	µg/L	EPA 525.2m	0.26	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Coumaphos	n/a	=	203	%	EPA 525.2m	-88	-88	0.1	203	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Coumaphos	n/a	=	5.21	µg/L	EPA 525.2m	0.26	0.5			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Coumaphos	n/a	=	209	%	EPA 525.2m	-88	-88	0.1	203	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Coumaphos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	DG,GB
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Cyanazine	n/a	=	5.06	µg/L	EPA 525.2	0.024	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Cyanazine	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Cyanazine	n/a	=	4.72	µg/L	EPA 525.2	0.024	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Cyanazine	n/a	=	94	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Cyanazine	n/a	=	280	µg/L	EPA 525.2	1.2	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Cyanazine	n/a	=	112	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Cyanazine	n/a	=	275	µg/L	EPA 525.2	1.2	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Cyanazine	n/a	=	110	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Cyanazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Cyanazine	n/a	=	271	µg/L	EPA 525.2	1.2	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Cyanazine	n/a	=	108	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Cyanazine	n/a	=	261	µg/L	EPA 525.2	1.2	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Cyanazine	n/a	=	104	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Cyanazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	Dalapon	n/a	=	7.23	µg/L	EPA 515.4	0.11	0.4			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	Dalapon	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	Dalapon	n/a	=	7.87	µg/L	EPA 515.4	0.11	0.4			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	Dalapon	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	Dalapon	n/a	=	8	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	Dalapon	n/a	=	7.38	µg/L	EPA 515.4	0.11	0.4			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	Dalapon	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.01	µg/L	EPA 515.4	0.053	0.1			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	DCPA (Dacthal)	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.08	µg/L	EPA 515.4	0.053	0.1			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	DCPA (Dacthal)	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	DCPA (Dacthal)	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.03	µg/L	EPA 515.4	0.053	0.1			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	DCPA (Dacthal)	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/15/2020	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	delta-BHC	n/a	=	0.112	µg/L	EPA 608.3	0.0019	0.005			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	delta-BHC	n/a	=	112	%	EPA 608.3	-88	-88	51	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	delta-BHC	n/a	=	0.126	µg/L	EPA 608.3	0.0038	0.01			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	delta-BHC	n/a	=	126	%	EPA 608.3	-88	-88	19	140	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	delta-BHC	n/a	=	0.124	µg/L	EPA 608.3	0.0038	0.01			DG

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	delta-BHC	n/a	=	124	%	EPA 608.3	-88	-88	19	140	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	delta-BHC	n/a	=	2	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Demeton-O	n/a	=	0.0237	µg/L	EPA 525.2m	0.01	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Demeton-O	n/a	=	47	%	EPA 525.2m	-88	-88	0.1	211	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Demeton-O	n/a	=	1.44	µg/L	EPA 525.2m	0.5	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Demeton-O	n/a	=	58	%	EPA 525.2m	-88	-88	0.1	208	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Demeton-O	n/a	=	1.33	µg/L	EPA 525.2m	0.5	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Demeton-O	n/a	=	53	%	EPA 525.2m	-88	-88	0.1	208	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Demeton-O	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Demeton-S	n/a	=	0.0449	µg/L	EPA 525.2m	0.01	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Demeton-S	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	213	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Demeton-S	n/a	=	3.31	µg/L	EPA 525.2m	0.5	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Demeton-S	n/a	=	132	%	EPA 525.2m	-88	-88	0.1	207	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Demeton-S	n/a	=	3.27	µg/L	EPA 525.2m	0.5	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Demeton-S	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	207	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Demeton-S	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Diazinon	n/a	=	4.55	µg/L	EPA 525.2	0.096	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Diazinon	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Diazinon	n/a	=	4.73	µg/L	EPA 525.2	0.096	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Diazinon	n/a	=	95	%	EPA 525.2	-88	-88	50	120	PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Diazinon	n/a	=	0.0313	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Diazinon	n/a	=	63	%	EPA 525.2m	-88	-88	43	152	
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Diazinon	n/a	=	229	µg/L	EPA 525.2	4.8	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Diazinon	n/a	=	92	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Diazinon	n/a	=	221	µg/L	EPA 525.2	4.8	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Diazinon	n/a	=	88	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Diazinon	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Diazinon	n/a	=	224	µg/L	EPA 525.2	4.8	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2	-88	-88	50	120	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Diazinon	n/a	=	223	µg/L	EPA 525.2	4.8	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Diazinon	n/a	=	89	%	EPA 525.2	-88	-88	50	120	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Diazinon	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Diazinon	n/a	=	1.74	µg/L	EPA 525.2m	0.26	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Diazinon	n/a	=	70	%	EPA 525.2m	-88	-88	36	153	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Diazinon	n/a	=	1.37	µg/L	EPA 525.2m	0.26	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Diazinon	n/a	=	55	%	EPA 525.2m	-88	-88	36	153	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Diazinon	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	Dicamba	n/a	=	7.49	µg/L	EPA 515.4	0.075	0.6			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	Dicamba	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	Dicamba	n/a	=	7.67	µg/L	EPA 515.4	0.075	0.6			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	Dicamba	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	Dicamba	n/a	=	2	%	EPA 515.4	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	Dicamba	n/a	=	7.64	µg/L	EPA 515.4	0.075	0.6			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	Dicamba	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	Dichlorprop	n/a	=	7.81	µg/L	EPA 515.4	0.12	0.3			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	Dichlorprop	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	Dichlorprop	n/a	=	8	µg/L	EPA 515.4	0.12	0.3			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	Dichlorprop	n/a	=	7.95	µg/L	EPA 515.4	0.12	0.3			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Dichlorvos	n/a	=	0.0395	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Dichlorvos	n/a	=	79	%	EPA 525.2m	-88	-88	46	133	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Dichlorvos	n/a	=	2.23	µg/L	EPA 525.2m	0.14	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Dichlorvos	n/a	=	89	%	EPA 525.2m	-88	-88	42	137	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Dichlorvos	n/a	=	2.21	µg/L	EPA 525.2m	0.14	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Dichlorvos	n/a	=	88	%	EPA 525.2m	-88	-88	42	137	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Dichlorvos	n/a	=	0.6	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Dieldrin	n/a	=	0.0933	µg/L	EPA 608.3	0.0008	0.01			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Dieldrin	n/a	=	93	%	EPA 608.3	-88	-88	58	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Dieldrin	n/a	=	0.0891	µg/L	EPA 608.3	0.0016	0.02			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Dieldrin	n/a	=	89	%	EPA 608.3	-88	-88	36	146	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Dieldrin	n/a	=	0.085	µg/L	EPA 608.3	0.0016	0.02			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Dieldrin	n/a	=	85	%	EPA 608.3	-88	-88	36	146	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Dieldrin	n/a	=	5	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Dimethoate	n/a	=	5.1	µg/L	EPA 525.2	0.024	0.2			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Dimethoate	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Dimethoate	n/a	=	4.28	µg/L	EPA 525.2	0.024	0.2			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Dimethoate	n/a	=	86	%	EPA 525.2	-88	-88	50	120	PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Dimethoate	n/a	=	0.0205	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Dimethoate	n/a	=	41	%	EPA 525.2m	-88	-88	10	234	
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Dimethoate	n/a	=	278	µg/L	EPA 525.2	1.2	10			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Dimethoate	n/a	=	111	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Dimethoate	n/a	=	277	µg/L	EPA 525.2	1.2	10			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Dimethoate	n/a	=	111	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Dimethoate	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Dimethoate	n/a	=	239	µg/L	EPA 525.2	1.2	10			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Dimethoate	n/a	=	96	%	EPA 525.2	-88	-88	50	120	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Dimethoate	n/a	=	252	µg/L	EPA 525.2	1.2	10			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Dimethoate	n/a	=	101	%	EPA 525.2	-88	-88	50	120	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Dimethoate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Dimethoate	n/a	=	3.42	µg/L	EPA 525.2m	0.31	0.5			DG



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Dimethoate	n/a	=	137	%	EPA 525.2m	-88	-88	4	222	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Dimethoate	n/a	=	2.92	µg/L	EPA 525.2m	0.31	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Dimethoate	n/a	=	117	%	EPA 525.2m	-88	-88	4	222	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Dimethoate	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	Dinoseb	n/a	=	3.63	µg/L	EPA 515.4	0.055	0.4			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	Dinoseb	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	Dinoseb	n/a	=	3.66	µg/L	EPA 515.4	0.055	0.4			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	Dinoseb	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	Dinoseb	n/a	=	0.7	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	Dinoseb	n/a	=	3.94	µg/L	EPA 515.4	0.055	0.4			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	Dinoseb	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Diphenamid	n/a	=	5.82	µg/L	EPA 525.2	0.024	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Diphenamid	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Diphenamid	n/a	=	5.65	µg/L	EPA 525.2	0.024	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Diphenamid	n/a	=	113	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Diphenamid	n/a	=	306	µg/L	EPA 525.2	1.2	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Diphenamid	n/a	=	122	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Diphenamid	n/a	=	307	µg/L	EPA 525.2	1.2	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Diphenamid	n/a	=	123	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Diphenamid	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Diphenamid	n/a	=	304	µg/L	EPA 525.2	1.2	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Diphenamid	n/a	=	122	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Diphenamid	n/a	=	296	µg/L	EPA 525.2	1.2	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Diphenamid	n/a	=	118	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Diphenamid	n/a	=	3	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Disulfoton	n/a	=	4.93	µg/L	EPA 525.2	0.031	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Disulfoton	n/a	=	99	%	EPA 525.2	-88	-88	50	120	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Disulfoton	n/a	=	4.54	µg/L	EPA 525.2	0.031	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Disulfoton	n/a	=	91	%	EPA 525.2	-88	-88	50	120	PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Disulfoton	n/a	=	0.0438	µg/L	EPA 525.2m	0.01	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Disulfoton	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	212	
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Disulfoton	n/a	=	255	µg/L	EPA 525.2	1.6	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Disulfoton	n/a	=	102	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Disulfoton	n/a	=	264	µg/L	EPA 525.2	1.6	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Disulfoton	n/a	=	106	%	EPA 525.2	-88	-88	50	120	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Disulfoton	n/a	=	249	µg/L	EPA 525.2	1.6	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Disulfoton	n/a	=	99	%	EPA 525.2	-88	-88	50	120	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Disulfoton	n/a	=	253	µg/L	EPA 525.2	1.6	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Disulfoton	n/a	=	101	%	EPA 525.2	-88	-88	50	120	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Disulfoton	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG,PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Disulfoton	n/a	=	2.46	µg/L	EPA 525.2m	0.5	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Disulfoton	n/a	=	98	%	EPA 525.2m	-88	-88	12	199	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Disulfoton	n/a	=	2.38	µg/L	EPA 525.2m	0.5	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Disulfoton	n/a	=	95	%	EPA 525.2m	-88	-88	12	199	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Endosulfan I	n/a	=	0.09	µg/L	EPA 608.3	0.0009	0.02			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Endosulfan I	n/a	=	90	%	EPA 608.3	-88	-88	57	141	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Endosulfan I	n/a	=	0.0789	µg/L	EPA 608.3	0.0018	0.04			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Endosulfan I	n/a	=	79	%	EPA 608.3	-88	-88	45	153	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Endosulfan I	n/a	=	0.0706	µg/L	EPA 608.3	0.0018	0.04			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Endosulfan I	n/a	=	71	%	EPA 608.3	-88	-88	45	153	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Endosulfan I	n/a	=	11	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Endosulfan II	n/a	=	0.0959	µg/L	EPA 608.3	0.0007	0.01			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Endosulfan II	n/a	=	96	%	EPA 608.3	-88	-88	22	171	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Endosulfan II	n/a	=	0.0881	µg/L	EPA 608.3	0.0014	0.02			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Endosulfan II	n/a	=	88	%	EPA 608.3	-88	-88	17	202	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Endosulfan II	n/a	=	0.0836	µg/L	EPA 608.3	0.0014	0.02			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Endosulfan II	n/a	=	84	%	EPA 608.3	-88	-88	17	202	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Endosulfan II	n/a	=	5	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Endosulfan sulfate	n/a	=	0.114	µg/L	EPA 608.3	0.0013	0.05			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Endosulfan sulfate	n/a	=	114	%	EPA 608.3	-88	-88	38	132	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0827	µg/L	EPA 608.3	0.0026	0.1			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Endosulfan sulfate	n/a	=	83	%	EPA 608.3	-88	-88	26	144	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0774	µg/L	EPA 608.3	0.0026	0.1			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Endosulfan sulfate	n/a	=	77	%	EPA 608.3	-88	-88	26	144	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Endosulfan sulfate	n/a	=	7	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Endrin	n/a	=	0.0955	µg/L	EPA 608.3	0.0017	0.01			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Endrin	n/a	=	96	%	EPA 608.3	-88	-88	51	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Endrin	n/a	=	0.0987	µg/L	EPA 608.3	0.0034	0.02			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Endrin	n/a	=	99	%	EPA 608.3	-88	-88	30	147	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Endrin	n/a	=	0.0924	µg/L	EPA 608.3	0.0034	0.02			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Endrin	n/a	=	92	%	EPA 608.3	-88	-88	30	147	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Endrin	n/a	=	7	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Endrin aldehyde	n/a	=	0.093	µg/L	EPA 608.3	0.0019	0.01			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Endrin aldehyde	n/a	=	93	%	EPA 608.3	-88	-88	18	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Endrin aldehyde	n/a	=	0.072	µg/L	EPA 608.3	0.0038	0.02			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Endrin aldehyde	n/a	=	72	%	EPA 608.3	-88	-88	11	140	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Endrin aldehyde	n/a	=	0.0828	µg/L	EPA 608.3	0.0038	0.02			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Endrin aldehyde	n/a	=	83	%	EPA 608.3	-88	-88	11	140	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Endrin aldehyde	n/a	=	14	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/10/2020	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	EPTC	n/a	=	5.19	µg/L	EPA 525.2	0.017	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	EPTC	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	EPTC	n/a	=	5.15	µg/L	EPA 525.2	0.017	1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	EPTC	n/a	=	271	µg/L	EPA 525.2	0.85	50			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	EPTC	n/a	=	109	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	EPTC	n/a	=	276	µg/L	EPA 525.2	0.85	50			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	EPTC	n/a	=	110	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	EPTC	n/a	=	263	µg/L	EPA 525.2	0.85	50			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	EPTC	n/a	=	105	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	EPTC	n/a	=	272	µg/L	EPA 525.2	0.85	50			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	EPTC	n/a	=	109	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Ethoprop	n/a	=	0.047	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Ethoprop	n/a	=	94	%	EPA 525.2m	-88	-88	53	163	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Ethoprop	n/a	=	2.97	µg/L	EPA 525.2m	0.34	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Ethoprop	n/a	=	119	%	EPA 525.2m	-88	-88	51	167	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Ethoprop	n/a	=	2.84	µg/L	EPA 525.2m	0.34	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Ethoprop	n/a	=	114	%	EPA 525.2m	-88	-88	51	167	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Ethoprop	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Ethyl parathion	n/a	=	0.0585	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Ethyl parathion	n/a	=	117	%	EPA 525.2m	-88	-88	7	230	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Ethyl parathion	n/a	=	3.5	µg/L	EPA 525.2m	0.27	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Ethyl parathion	n/a	=	140	%	EPA 525.2m	-88	-88	5	229	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Ethyl parathion	n/a	=	3.3	µg/L	EPA 525.2m	0.27	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Ethyl parathion	n/a	=	132	%	EPA 525.2m	-88	-88	5	229	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Ethyl parathion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Fensulfothion	n/a	=	0.0211	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Fensulfothion	n/a	=	42	%	EPA 525.2m	-88	-88	0.1	265	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Fensulfothion	n/a	=	6.9	µg/L	EPA 525.2m	0.14	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Fensulfothion	n/a	=	276	%	EPA 525.2m	-88	-88	0.1	316	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Fensulfothion	n/a	=	7.46	µg/L	EPA 525.2m	0.14	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Fensulfothion	n/a	=	298	%	EPA 525.2m	-88	-88	0.1	316	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Fensulfothion	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Fenthion	n/a	=	0.0534	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Fenthion	n/a	=	107	%	EPA 525.2m	-88	-88	20	177	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Fenthion	n/a	=	2.97	µg/L	EPA 525.2m	0.19	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Fenthion	n/a	=	119	%	EPA 525.2m	-88	-88	23	169	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Fenthion	n/a	=	2.81	µg/L	EPA 525.2m	0.19	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Fenthion	n/a	=	112	%	EPA 525.2m	-88	-88	23	169	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Fenthion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/15/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.092	µg/L	EPA 608.3	0.0004	0.02			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	92	%	EPA 608.3	-88	-88	43	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0783	µg/L	EPA 608.3	0.0008	0.04			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	78	%	EPA 608.3	-88	-88	32	140	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0733	µg/L	EPA 608.3	0.0008	0.04			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	73	%	EPA 608.3	-88	-88	32	140	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	7	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-4	000NONPJ	matrix spike	4/10/2020	Pesticide	Glyphosate	n/a	=	23.7	µg/L	EPA 547	1.8	5			
2019/20-4	000NONPJ	matrix spike, rec	4/10/2020	Pesticide	Glyphosate	n/a	=	95	%	EPA 547	-88	-88	41	149	
2019/20-4	000NONPJ	matrix spike dup	4/10/2020	Pesticide	Glyphosate	n/a	=	22.9	µg/L	EPA 547	1.8	5			
2019/20-4	000NONPJ	matrix spike dup, rec	4/10/2020	Pesticide	Glyphosate	n/a	=	92	%	EPA 547	-88	-88	41	149	
2019/20-4	000NONPJ	matrix spike, RPD	4/10/2020	Pesticide	Glyphosate	n/a	=	3	%	EPA 547	-88	-88	0	30	
2019/20-4	000NONPJ	matrix spike	4/10/2020	Pesticide	Glyphosate	n/a	=	26	µg/L	EPA 547	1.8	5			
2019/20-4	000NONPJ	matrix spike, rec	4/10/2020	Pesticide	Glyphosate	n/a	=	97	%	EPA 547	-88	-88	41	149	
2019/20-4	000NONPJ	matrix spike dup	4/10/2020	Pesticide	Glyphosate	n/a	=	28	µg/L	EPA 547	1.8	5			
2019/20-4	000NONPJ	matrix spike dup, rec	4/10/2020	Pesticide	Glyphosate	n/a	=	105	%	EPA 547	-88	-88	41	149	
2019/20-4	000NONPJ	matrix spike, RPD	4/10/2020	Pesticide	Glyphosate	n/a	=	7	%	EPA 547	-88	-88	0	30	
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Glyphosate	n/a	=	24	µg/L	EPA 547	1.8	5			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Glyphosate	n/a	=	96	%	EPA 547	-88	-88	70	130	
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Heptachlor	n/a	=	0.0892	µg/L	EPA 608.3	0.0006	0.01			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Heptachlor	n/a	=	89	%	EPA 608.3	-88	-88	43	130	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Heptachlor	n/a	=	0.0857	µg/L	EPA 608.3	0.0012	0.02			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Heptachlor	n/a	=	86	%	EPA 608.3	-88	-88	34	140	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Heptachlor	n/a	=	0.0762	µg/L	EPA 608.3	0.0012	0.02			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Heptachlor	n/a	=	76	%	EPA 608.3	-88	-88	34	140	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Heptachlor	n/a	=	12	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Heptachlor epoxide	n/a	=	0.0905	µg/L	EPA 608.3	0.0004	0.01			
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Heptachlor epoxide	n/a	=	91	%	EPA 608.3	-88	-88	57	132	
2019/20-4	MO-HUE	matrix spike	4/15/2020	Pesticide	Heptachlor epoxide	n/a	=	0.0814	µg/L	EPA 608.3	0.0008	0.02			DG
2019/20-4	MO-HUE	matrix spike, rec	4/15/2020	Pesticide	Heptachlor epoxide	n/a	=	81	%	EPA 608.3	-88	-88	37	142	DG
2019/20-4	MO-HUE	matrix spike dup	4/15/2020	Pesticide	Heptachlor epoxide	n/a	=	0.077	µg/L	EPA 608.3	0.0008	0.02			DG
2019/20-4	MO-HUE	matrix spike dup, rec	4/15/2020	Pesticide	Heptachlor epoxide	n/a	=	77	%	EPA 608.3	-88	-88	37	142	DG
2019/20-4	MO-HUE	matrix spike, RPD	4/15/2020	Pesticide	Heptachlor epoxide	n/a	=	6	%	EPA 608.3	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Malathion	n/a	=	0.0588	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Malathion	n/a	=	118	%	EPA 525.2m	-88	-88	14	175	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Malathion	n/a	=	4.25	µg/L	EPA 525.2m	0.38	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Malathion	n/a	=	170	%	EPA 525.2m	-88	-88	6	184	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Malathion	n/a	=	4.05	µg/L	EPA 525.2m	0.38	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Malathion	n/a	=	162	%	EPA 525.2m	-88	-88	6	184	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Malathion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Merphos	n/a	=	0.0547	µg/L	EPA 525.2m	0.0058	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Merphos	n/a	=	109	%	EPA 525.2m	-88	-88	28	181	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Merphos	n/a	=	5.72	µg/L	EPA 525.2m	0.29	0.5			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Merphos	n/a	=	229	%	EPA 525.2m	-88	-88	3	210	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Merphos	n/a	=	6.04	µg/L	EPA 525.2m	0.29	0.5			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Merphos	n/a	=	241	%	EPA 525.2m	-88	-88	3	210	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Merphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	DG,GB
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Methyl parathion	n/a	=	0.056	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Methyl parathion	n/a	=	112	%	EPA 525.2m	-88	-88	0.1	252	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Methyl parathion	n/a	=	3.36	µg/L	EPA 525.2m	0.32	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Methyl parathion	n/a	=	134	%	EPA 525.2m	-88	-88	0.1	249	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Methyl parathion	n/a	=	3.3	µg/L	EPA 525.2m	0.32	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Methyl parathion	n/a	=	132	%	EPA 525.2m	-88	-88	0.1	249	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Methyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Metolachlor	n/a	=	5.13	µg/L	EPA 525.2	0.012	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Metolachlor	n/a	=	103	%	EPA 525.2	-88	-88	60	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Metolachlor	n/a	=	5.21	µg/L	EPA 525.2	0.012	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Metolachlor	n/a	=	104	%	EPA 525.2	-88	-88	60	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Metolachlor	n/a	=	503	µg/L	EPA 525.2	0.6	5			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Metolachlor	n/a	=	201	%	EPA 525.2	-88	-88	60	130	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Metolachlor	n/a	=	526	µg/L	EPA 525.2	0.6	5			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Metolachlor	n/a	=	211	%	EPA 525.2	-88	-88	60	130	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Metolachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Metolachlor	n/a	=	504	µg/L	EPA 525.2	0.6	5			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Metolachlor	n/a	=	201	%	EPA 525.2	-88	-88	60	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Metolachlor	n/a	=	518	µg/L	EPA 525.2	0.6	5			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Metolachlor	n/a	=	207	%	EPA 525.2	-88	-88	60	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Metribuzin	n/a	=	5.41	µg/L	EPA 525.2	0.015	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Metribuzin	n/a	=	108	%	EPA 525.2	-88	-88	50	120	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Metribuzin	n/a	=	5.29	µg/L	EPA 525.2	0.015	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Metribuzin	n/a	=	106	%	EPA 525.2	-88	-88	50	120	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Metribuzin	n/a	=	508	µg/L	EPA 525.2	0.75	5			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Metribuzin	n/a	=	203	%	EPA 525.2	-88	-88	50	120	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Metribuzin	n/a	=	533	µg/L	EPA 525.2	0.75	5			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Metribuzin	n/a	=	213	%	EPA 525.2	-88	-88	50	120	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Metribuzin	n/a	=	5	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Metribuzin	n/a	=	505	µg/L	EPA 525.2	0.75	5			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Metribuzin	n/a	=	202	%	EPA 525.2	-88	-88	50	120	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Metribuzin	n/a	=	521	µg/L	EPA 525.2	0.75	5			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Metribuzin	n/a	=	208	%	EPA 525.2	-88	-88	50	120	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Metribuzin	n/a	=	3	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Mevinphos	n/a	=	0.0338	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Mevinphos	n/a	=	68	%	EPA 525.2m	-88	-88	14	202	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Mevinphos	n/a	=	2.87	µg/L	EPA 525.2m	0.21	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Mevinphos	n/a	=	115	%	EPA 525.2m	-88	-88	25	189	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Mevinphos	n/a	=	2.92	µg/L	EPA 525.2m	0.21	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Mevinphos	n/a	=	117	%	EPA 525.2m	-88	-88	25	189	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Mevinphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Molinate	n/a	=	5.23	µg/L	EPA 525.2	0.039	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Molinate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Molinate	n/a	=	5.3	µg/L	EPA 525.2	0.039	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Molinate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Molinate	n/a	=	273	µg/L	EPA 525.2	2	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Molinate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Molinate	n/a	=	276	µg/L	EPA 525.2	2	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Molinate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Molinate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Molinate	n/a	=	271	µg/L	EPA 525.2	2	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Molinate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Molinate	n/a	=	278	µg/L	EPA 525.2	2	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Molinate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Molinate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Naled	n/a	=	0.0501	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Naled	n/a	=	100	%	EPA 525.2m	-88	-88	0.1	240	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Naled	n/a	=	3.4	µg/L	EPA 525.2m	0.38	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Naled	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	242	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Naled	n/a	=	3.4	µg/L	EPA 525.2m	0.38	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Naled	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	242	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Naled	n/a	=	0.06	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	Pentachlorophenol	n/a	=	3.94	µg/L	EPA 515.4	0.046	0.2			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	Pentachlorophenol	n/a	=	4.04	µg/L	EPA 515.4	0.046	0.2			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	Pentachlorophenol	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	Pentachlorophenol	n/a	=	3.96	µg/L	EPA 515.4	0.046	0.2			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Pentachlorophenol	n/a	=	7.08	µg/L	EPA 8270C	0.15	1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Pentachlorophenol	n/a	=	71	%	EPA 8270C	-88	-88	29	106	
2019/20-4	Lab	LCS dup	4/10/2020	Pesticide	Pentachlorophenol	n/a	=	6.8	µg/L	EPA 8270C	0.15	1			
2019/20-4	Lab	LCS dup, rec	4/10/2020	Pesticide	Pentachlorophenol	n/a	=	68	%	EPA 8270C	-88	-88	29	106	
2019/20-4	Lab	LCS, RPD	4/10/2020	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Pentachlorophenol	n/a	=	24.8	µg/L	EPA 625.1	0.4	1			
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 625.1	-88	-88	41	120	
2019/20-4	Lab	LCS dup	4/13/2020	Pesticide	Pentachlorophenol	n/a	=	26.4	µg/L	EPA 625.1	0.4	1			
2019/20-4	Lab	LCS dup, rec	4/13/2020	Pesticide	Pentachlorophenol	n/a	=	106	%	EPA 625.1	-88	-88	41	120	
2019/20-4	Lab	LCS, RPD	4/13/2020	Pesticide	Pentachlorophenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1			PJN
2019/20-4	Lab	LCS	4/15/2020	Pesticide	Pentachlorophenol	n/a	=	24.4	µg/L	EPA 625.1	0.4	1			PJN
2019/20-4	Lab	LCS, rec	4/15/2020	Pesticide	Pentachlorophenol	n/a	=	97	%	EPA 625.1	-88	-88	41	120	PJN
2019/20-4	Lab	LCS dup	4/15/2020	Pesticide	Pentachlorophenol	n/a	=	25.7	µg/L	EPA 625.1	0.4	1			PJN
2019/20-4	Lab	LCS dup, rec	4/15/2020	Pesticide	Pentachlorophenol	n/a	=	103	%	EPA 625.1	-88	-88	41	120	PJN
2019/20-4	Lab	LCS, RPD	4/15/2020	Pesticide	Pentachlorophenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Phorate	n/a	=	0.0557	µg/L	EPA 525.2m	0.003	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Phorate	n/a	=	111	%	EPA 525.2m	-88	-88	26	180	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Phorate	n/a	=	3.11	µg/L	EPA 525.2m	0.15	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Phorate	n/a	=	125	%	EPA 525.2m	-88	-88	31	181	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Phorate	n/a	=	2.96	µg/L	EPA 525.2m	0.15	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Phorate	n/a	=	118	%	EPA 525.2m	-88	-88	31	181	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Phorate	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	000NONPJ	matrix spike	4/9/2020	Pesticide	Picloram	n/a	=	3.99	µg/L	EPA 515.4	0.038	0.6			
2019/20-4	000NONPJ	matrix spike, rec	4/9/2020	Pesticide	Picloram	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike dup	4/9/2020	Pesticide	Picloram	n/a	=	3.84	µg/L	EPA 515.4	0.038	0.6			
2019/20-4	000NONPJ	matrix spike dup, rec	4/9/2020	Pesticide	Picloram	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-4	000NONPJ	matrix spike, RPD	4/9/2020	Pesticide	Picloram	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-4	Lab	method blank	4/9/2020	Pesticide	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6			
2019/20-4	Lab	LCS	4/9/2020	Pesticide	Picloram	n/a	=	3.72	µg/L	EPA 515.4	0.038	0.6			
2019/20-4	Lab	LCS, rec	4/9/2020	Pesticide	Picloram	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Prometon	n/a	=	2.7	µg/L	EPA 525.2	0.024	0.2			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Prometon	n/a	=	54	%	EPA 525.2	-88	-88	15	120	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Prometon	n/a	=	2.7	µg/L	EPA 525.2	0.024	0.2			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Prometon	n/a	=	54	%	EPA 525.2	-88	-88	15	120	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Prometon	n/a	=	202	µg/L	EPA 525.2	1.2	10			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Prometon	n/a	=	81	%	EPA 525.2	-88	-88	15	120	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Prometon	n/a	=	177	µg/L	EPA 525.2	1.2	10			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Prometon	n/a	=	71	%	EPA 525.2	-88	-88	15	120	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Prometon	n/a	=	13	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Prometon	n/a	=	200	µg/L	EPA 525.2	1.2	10			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Prometon	n/a	=	80	%	EPA 525.2	-88	-88	15	120	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Prometon	n/a	=	179	µg/L	EPA 525.2	1.2	10			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Prometon	n/a	=	72	%	EPA 525.2	-88	-88	15	120	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Prometon	n/a	=	11	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Prometryn	n/a	=	3.94	µg/L	EPA 525.2	0.036	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Prometryn	n/a	=	79	%	EPA 525.2	-88	-88	30	120	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			PJN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Prometryn	n/a	=	4.03	µg/L	EPA 525.2	0.036	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Prometryn	n/a	=	81	%	EPA 525.2	-88	-88	30	120	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Prometryn	n/a	=	297	µg/L	EPA 525.2	1.8	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Prometryn	n/a	=	119	%	EPA 525.2	-88	-88	30	120	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Prometryn	n/a	=	289	µg/L	EPA 525.2	1.8	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Prometryn	n/a	=	115	%	EPA 525.2	-88	-88	30	120	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Prometryn	n/a	=	3	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Prometryn	n/a	=	302	µg/L	EPA 525.2	1.8	5			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Prometryn	n/a	=	121	%	EPA 525.2	-88	-88	30	120	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Prometryn	n/a	=	285	µg/L	EPA 525.2	1.8	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Prometryn	n/a	=	114	%	EPA 525.2	-88	-88	30	120	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Prometryn	n/a	=	6	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Ronnel (Fenclorophos)	n/a	=	0.054	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Ronnel (Fenclorophos)	n/a	=	108	%	EPA 525.2m	-88	-88	34	154	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Ronnel (Fenclorophos)	n/a	=	2.45	µg/L	EPA 525.2m	0.2	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Ronnel (Fenclorophos)	n/a	=	98	%	EPA 525.2m	-88	-88	29	153	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Ronnel (Fenclorophos)	n/a	=	2.31	µg/L	EPA 525.2m	0.2	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Ronnel (Fenclorophos)	n/a	=	92	%	EPA 525.2m	-88	-88	29	153	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Ronnel (Fenclorophos)	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Simazine	n/a	=	4.49	µg/L	EPA 525.2	0.015	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Simazine	n/a	=	90	%	EPA 525.2	-88	-88	60	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Simazine	n/a	=	4.62	µg/L	EPA 525.2	0.015	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Simazine	n/a	=	92	%	EPA 525.2	-88	-88	60	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Simazine	n/a	=	282	µg/L	EPA 525.2	0.75	5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Simazine	n/a	=	113	%	EPA 525.2	-88	-88	60	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Simazine	n/a	=	283	µg/L	EPA 525.2	0.75	5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Simazine	n/a	=	113	%	EPA 525.2	-88	-88	60	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Simazine	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Simazine	n/a	=	293	µg/L	EPA 525.2	0.75	5			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Simazine	n/a	=	117	%	EPA 525.2	-88	-88	60	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Simazine	n/a	=	287	µg/L	EPA 525.2	0.75	5			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Simazine	n/a	=	115	%	EPA 525.2	-88	-88	60	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Simazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0518	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	4.34	µg/L	EPA 525.2m	0.16	0.5			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	174	%	EPA 525.2m	-88	-88	0.1	167	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	4.36	µg/L	EPA 525.2m	0.16	0.5			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	174	%	EPA 525.2m	-88	-88	0.1	167	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.3	%	EPA 525.2m	-88	-88	0	30	DG,GB
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Terbacil	n/a	=	5.37	µg/L	EPA 525.2	0.55	2			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Terbacil	n/a	=	107	%	EPA 525.2	-88	-88	70	130	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Terbacil	n/a	=	4.78	µg/L	EPA 525.2	0.55	2			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Terbacil	n/a	=	96	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Terbacil	n/a	=	307	µg/L	EPA 525.2	28	100			DG
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Terbacil	n/a	=	123	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Terbacil	n/a	=	306	µg/L	EPA 525.2	28	100			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Terbacil	n/a	=	123	%	EPA 525.2	-88	-88	70	130	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Terbacil	n/a	=	0.1	%	EPA 525.2	-88	-88	0	30	DG
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Terbacil	n/a	=	302	µg/L	EPA 525.2	28	100			DG,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Terbacil	n/a	=	121	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Terbacil	n/a	=	296	µg/L	EPA 525.2	28	100			DG,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Terbacil	n/a	=	119	%	EPA 525.2	-88	-88	70	130	DG,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Terbacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	DG,PJN
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Thiobencarb	n/a	=	4.69	µg/L	EPA 525.2	0.025	0.2			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Thiobencarb	n/a	=	94	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Thiobencarb	n/a	=	4.99	µg/L	EPA 525.2	0.025	0.2			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Thiobencarb	n/a	=	100	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Thiobencarb	n/a	=	458	µg/L	EPA 525.2	1.2	10			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Thiobencarb	n/a	=	183	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Thiobencarb	n/a	=	487	µg/L	EPA 525.2	1.2	10			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Thiobencarb	n/a	=	195	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Thiobencarb	n/a	=	6	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Thiobencarb	n/a	=	471	µg/L	EPA 525.2	1.2	10			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Thiobencarb	n/a	=	188	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Thiobencarb	n/a	=	489	µg/L	EPA 525.2	1.2	10			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Thiobencarb	n/a	=	196	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Thiobencarb	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Tokuthion	n/a	=	0.0471	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Tokuthion	n/a	=	94	%	EPA 525.2m	-88	-88	23	159	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Tokuthion	n/a	=	2.95	µg/L	EPA 525.2m	0.39	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Tokuthion	n/a	=	118	%	EPA 525.2m	-88	-88	27	160	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Tokuthion	n/a	=	2.98	µg/L	EPA 525.2m	0.39	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Tokuthion	n/a	=	119	%	EPA 525.2m	-88	-88	27	160	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Tokuthion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/15/2020	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-4	Lab	method blank	4/20/2020	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-4	Lab	LCS	4/20/2020	Pesticide	Trichloronate	n/a	=	0.0575	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-4	Lab	LCS, rec	4/20/2020	Pesticide	Trichloronate	n/a	=	115	%	EPA 525.2m	-88	-88	34	153	
2019/20-4	ME-SCR	matrix spike	4/20/2020	Pesticide	Trichloronate	n/a	=	2.28	µg/L	EPA 525.2m	0.34	0.5			DG
2019/20-4	ME-SCR	matrix spike, rec	4/20/2020	Pesticide	Trichloronate	n/a	=	91	%	EPA 525.2m	-88	-88	40	150	DG
2019/20-4	ME-SCR	matrix spike dup	4/20/2020	Pesticide	Trichloronate	n/a	=	2.15	µg/L	EPA 525.2m	0.34	0.5			DG
2019/20-4	ME-SCR	matrix spike dup, rec	4/20/2020	Pesticide	Trichloronate	n/a	=	86	%	EPA 525.2m	-88	-88	40	150	DG
2019/20-4	ME-SCR	matrix spike, RPD	4/20/2020	Pesticide	Trichloronate	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	DG
2019/20-4	Lab	method blank	4/10/2020	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-4	Lab	LCS	4/10/2020	Pesticide	Trithion	n/a	=	4.67	µg/L	EPA 525.2	0.012	0.1			
2019/20-4	Lab	LCS, rec	4/10/2020	Pesticide	Trithion	n/a	=	93	%	EPA 525.2	-88	-88	70	130	
2019/20-4	Lab	method blank	4/13/2020	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			PJN
2019/20-4	Lab	LCS	4/13/2020	Pesticide	Trithion	n/a	=	4.8	µg/L	EPA 525.2	0.012	0.1			PJN
2019/20-4	Lab	LCS, rec	4/13/2020	Pesticide	Trithion	n/a	=	96	%	EPA 525.2	-88	-88	70	130	PJN
2019/20-4	ME-SCR	matrix spike	4/10/2020	Pesticide	Trithion	n/a	=	372	µg/L	EPA 525.2	0.6	5			DG,GB
2019/20-4	ME-SCR	matrix spike, rec	4/10/2020	Pesticide	Trithion	n/a	=	149	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike dup	4/10/2020	Pesticide	Trithion	n/a	=	388	µg/L	EPA 525.2	0.6	5			DG,GB
2019/20-4	ME-SCR	matrix spike dup, rec	4/10/2020	Pesticide	Trithion	n/a	=	155	%	EPA 525.2	-88	-88	70	130	DG,GB
2019/20-4	ME-SCR	matrix spike, RPD	4/10/2020	Pesticide	Trithion	n/a	=	4	%	EPA 525.2	-88	-88	0	30	DG,GB
2019/20-4	ME-SCR	matrix spike	4/13/2020	Pesticide	Trithion	n/a	=	371	µg/L	EPA 525.2	0.6	5			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, rec	4/13/2020	Pesticide	Trithion	n/a	=	148	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup	4/13/2020	Pesticide	Trithion	n/a	=	376	µg/L	EPA 525.2	0.6	5			DG,GB,PJN
2019/20-4	ME-SCR	matrix spike dup, rec	4/13/2020	Pesticide	Trithion	n/a	=	150	%	EPA 525.2	-88	-88	70	130	DG,GB,PJN
2019/20-4	ME-SCR	matrix spike, RPD	4/13/2020	Pesticide	Trithion	n/a	=	1	%	EPA 525.2	-88	-88	0	30	DG,GB,PJN
2019/20-5	000NONPJ	matrix spike	4/29/2020	Anion	Chloride	n/a	=	327	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Anion	Chloride	n/a	=	102	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Anion	Chloride	n/a	=	327	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Anion	Chloride	n/a	=	102	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Anion	Chloride	n/a	=	0.05	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Anion	Chloride	n/a	=	258	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Anion	Chloride	n/a	=	258	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Anion	Chloride	n/a	=	311	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Anion	Chloride	n/a	=	110	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Anion	Chloride	n/a	=	311	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Anion	Chloride	n/a	=	110	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Anion	Chloride	n/a	=	0.04	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Anion	Chloride	n/a	=	290	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Anion	Chloride	n/a	=	288	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/4/2020	Anion	Chloride	n/a	=	226	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/4/2020	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/4/2020	Anion	Chloride	n/a	=	226	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/4/2020	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/4/2020	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/4/2020	Anion	Chloride	n/a	=	191	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/4/2020	Anion	Chloride	n/a	=	84	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Anion	Chloride	n/a	=	192	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Anion	Chloride	n/a	=	84	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/6/2020	Anion	Chloride	n/a	=	226	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/6/2020	Anion	Chloride	n/a	=	102	%	EPA 300.0	-88	-88	76	118	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup	5/6/2020	Anion	Chloride	n/a	=	224	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/6/2020	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/6/2020	Anion	Chloride	n/a	=	0.9	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/6/2020	Anion	Chloride	n/a	=	235	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/6/2020	Anion	Chloride	n/a	=	103	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/6/2020	Anion	Chloride	n/a	=	236	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/6/2020	Anion	Chloride	n/a	=	104	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/6/2020	Anion	Chloride	n/a	=	0.7	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Chloride	n/a	=	246	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Chloride	n/a	=	245	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Chloride	n/a	=	246	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Chloride	n/a	=	246	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Chloride	n/a	=	105	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Chloride	n/a	=	0.05	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Chloride	n/a	=	322	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Chloride	n/a	=	323	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Chloride	n/a	=	324	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Chloride	n/a	=	323	mg/L	EPA 300.0	0.85	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Chloride	n/a	=	92	%	EPA 300.0	-88	-88	76	118	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Chloride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2019/20-5	Lab	method blank	4/29/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS	4/29/2020	Anion	Chloride	n/a	=	20.1	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS, rec	4/29/2020	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/1/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS	5/1/2020	Anion	Chloride	n/a	=	19.9	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS, rec	5/1/2020	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/4/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS	5/4/2020	Anion	Chloride	n/a	=	19.8	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS, rec	5/4/2020	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/5/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS	5/5/2020	Anion	Chloride	n/a	=	20.2	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS, rec	5/5/2020	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/13/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS	5/14/2020	Anion	Chloride	n/a	=	20.2	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS, rec	5/14/2020	Anion	Chloride	n/a	=	101	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/14/2020	Anion	Chloride	n/a	<	0.085	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS	5/14/2020	Anion	Chloride	n/a	=	20	mg/L	EPA 300.0	0.085	0.5			
2019/20-5	Lab	LCS, rec	5/14/2020	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Anion	Fluoride	n/a	=	19	mg/L	EPA 300.0	0.09	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Anion	Fluoride	n/a	=	94	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Anion	Fluoride	n/a	=	19.6	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Anion	Fluoride	n/a	=	3	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Anion	Fluoride	n/a	=	18.8	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Anion	Fluoride	n/a	=	94	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Anion	Fluoride	n/a	=	19.5	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Anion	Fluoride	n/a	=	4	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/4/2020	Anion	Fluoride	n/a	=	20.2	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike, rec	5/4/2020	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike dup	5/4/2020	Anion	Fluoride	n/a	=	20.7	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/4/2020	Anion	Fluoride	n/a	=	102	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike, RPD	5/4/2020	Anion	Fluoride	n/a	=	3	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/4/2020	Anion	Fluoride	n/a	=	18	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike, rec	5/4/2020	Anion	Fluoride	n/a	=	88	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Anion	Fluoride	n/a	=	19.4	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Anion	Fluoride	n/a	=	95	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Anion	Fluoride	n/a	=	8	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Fluoride	n/a	=	18	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Fluoride	n/a	=	88	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Fluoride	n/a	=	18	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Fluoride	n/a	=	88	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Fluoride	n/a	=	0	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Fluoride	n/a	=	19.3	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Fluoride	n/a	=	94	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Fluoride	n/a	=	19.1	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Fluoride	n/a	=	93	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Fluoride	n/a	=	0.8	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Fluoride	n/a	=	20	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Fluoride	n/a	=	20	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Fluoride	n/a	=	0.2	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Fluoride	n/a	=	19.2	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Fluoride	n/a	=	92	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Fluoride	n/a	=	19	mg/L	EPA 300.0	0.09	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Fluoride	n/a	=	91	%	EPA 300.0	-88	-88	86	107	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Fluoride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2019/20-5	Lab	method blank	4/29/2020	Anion	Fluoride	n/a	<	0.009	mg/L	EPA 300.0	0.009	0.1			
2019/20-5	Lab	LCS	4/29/2020	Anion	Fluoride	n/a	=	2.07	mg/L	EPA 300.0	0.009	0.1			
2019/20-5	Lab	LCS, rec	4/29/2020	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/4/2020	Anion	Fluoride	n/a	<	0.009	mg/L	EPA 300.0	0.009	0.1			
2019/20-5	Lab	LCS	5/4/2020	Anion	Fluoride	n/a	=	2	mg/L	EPA 300.0	0.009	0.1			
2019/20-5	Lab	LCS, rec	5/4/2020	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/13/2020	Anion	Fluoride	n/a	<	0.009	mg/L	EPA 300.0	0.009	0.1			
2019/20-5	Lab	LCS	5/14/2020	Anion	Fluoride	n/a	=	2	mg/L	EPA 300.0	0.009	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/14/2020	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/14/2020	Anion	Fluoride	n/a	<	0.009	mg/L	EPA 300.0	0.009	0.1			
2019/20-5	Lab	LCS	5/14/2020	Anion	Fluoride	n/a	=	1.93	mg/L	EPA 300.0	0.009	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Anion	Perchlorate	n/a	=	11.3	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Anion	Perchlorate	n/a	=	94	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Anion	Perchlorate	n/a	=	11.8	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Anion	Perchlorate	n/a	=	99	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Anion	Perchlorate	n/a	=	4	%	EPA 314.0	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	4/30/2020	Anion	Perchlorate	n/a	=	11.2	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike, rec	4/30/2020	Anion	Perchlorate	n/a	=	94	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike dup	4/30/2020	Anion	Perchlorate	n/a	=	11.3	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike dup, rec	4/30/2020	Anion	Perchlorate	n/a	=	95	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike, RPD	4/30/2020	Anion	Perchlorate	n/a	=	0.5	%	EPA 314.0	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/4/2020	Anion	Perchlorate	n/a	=	15	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike, rec	5/4/2020	Anion	Perchlorate	n/a	=	96	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike dup	5/4/2020	Anion	Perchlorate	n/a	=	15.4	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/4/2020	Anion	Perchlorate	n/a	=	100	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/4/2020	Anion	Perchlorate	n/a	=	3	%	EPA 314.0	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Anion	Perchlorate	n/a	=	10.6	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Anion	Perchlorate	n/a	=	95	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Anion	Perchlorate	n/a	=	10.9	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Anion	Perchlorate	n/a	=	99	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Anion	Perchlorate	n/a	=	4	%	EPA 314.0	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Anion	Perchlorate	n/a	=	10	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Anion	Perchlorate	n/a	=	100	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Anion	Perchlorate	n/a	=	10.2	µg/L	EPA 314.0	0.84	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	80	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Anion	Perchlorate	n/a	=	1	%	EPA 314.0	-88	-88	0	15	
2019/20-5	Lab	LCS	4/29/2020	Anion	Perchlorate	n/a	=	9.91	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS, rec	4/29/2020	Anion	Perchlorate	n/a	=	99	%	EPA 314.0	-88	-88	85	115	
2019/20-5	Lab	method blank	4/29/2020	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	method blank	4/30/2020	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS	4/30/2020	Anion	Perchlorate	n/a	=	10	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS, rec	4/30/2020	Anion	Perchlorate	n/a	=	100	%	EPA 314.0	-88	-88	85	115	
2019/20-5	Lab	method blank	5/4/2020	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS	5/4/2020	Anion	Perchlorate	n/a	=	10.3	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS, rec	5/4/2020	Anion	Perchlorate	n/a	=	103	%	EPA 314.0	-88	-88	85	115	
2019/20-5	Lab	method blank	5/13/2020	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS	5/13/2020	Anion	Perchlorate	n/a	=	10.4	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS, rec	5/13/2020	Anion	Perchlorate	n/a	=	104	%	EPA 314.0	-88	-88	85	115	
2019/20-5	Lab	method blank	5/15/2020	Anion	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS	5/15/2020	Anion	Perchlorate	n/a	=	9.89	µg/L	EPA 314.0	0.84	2			
2019/20-5	Lab	LCS, rec	5/15/2020	Anion	Perchlorate	n/a	=	99	%	EPA 314.0	-88	-88	85	115	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Anion	Sulfate	Total	=	203	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Anion	Sulfate	Total	=	101	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Anion	Sulfate	Total	=	202	mg/L	EPA 300.0	2.4	5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Anion	Sulfate	Total	=	101	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Anion	Sulfate	Total	=	0.5	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Anion	Sulfate	Total	=	248	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Anion	Sulfate	Total	=	101	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Anion	Sulfate	Total	=	247	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Anion	Sulfate	Total	=	101	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Anion	Sulfate	Total	=	407	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Anion	Sulfate	Total	=	108	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Anion	Sulfate	Total	=	405	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Anion	Sulfate	Total	=	107	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Anion	Sulfate	Total	=	388	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Anion	Sulfate	Total	=	96	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Anion	Sulfate	Total	=	386	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Anion	Sulfate	Total	=	95	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Anion	Sulfate	Total	=	0.4	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/4/2020	Anion	Sulfate	Total	=	244	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/4/2020	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	5/4/2020	Anion	Sulfate	Total	=	244	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/4/2020	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	5/4/2020	Anion	Sulfate	Total	=	0.06	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/4/2020	Anion	Sulfate	Total	=	219	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/4/2020	Anion	Sulfate	Total	=	82	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Anion	Sulfate	Total	=	221	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Anion	Sulfate	Total	=	83	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Anion	Sulfate	Total	=	0.8	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Sulfate	Total	=	273	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Sulfate	Total	=	99	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Sulfate	Total	=	271	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Sulfate	Total	=	98	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Sulfate	Total	=	0.9	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Sulfate	Total	=	272	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Sulfate	Total	=	273	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Sulfate	Total	=	104	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Sulfate	Total	=	0.3	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Sulfate	Total	=	191	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Sulfate	Total	=	96	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Sulfate	Total	=	191	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Sulfate	Total	=	96	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Sulfate	Total	=	0.08	%	EPA 300.0	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Anion	Sulfate	Total	=	187	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Anion	Sulfate	Total	=	91	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Anion	Sulfate	Total	=	186	mg/L	EPA 300.0	2.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Anion	Sulfate	Total	=	91	%	EPA 300.0	-88	-88	78	111	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Anion	Sulfate	Total	=	0.2	%	EPA 300.0	-88	-88	0	20	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	4/29/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS	4/29/2020	Anion	Sulfate	Total	=	20.1	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS, rec	4/29/2020	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/1/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS	5/1/2020	Anion	Sulfate	Total	=	19.9	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS, rec	5/1/2020	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/4/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS	5/4/2020	Anion	Sulfate	Total	=	19.9	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS, rec	5/4/2020	Anion	Sulfate	Total	=	99	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/13/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS	5/14/2020	Anion	Sulfate	Total	=	20	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS, rec	5/14/2020	Anion	Sulfate	Total	=	100	%	EPA 300.0	-88	-88	90	110	
2019/20-5	Lab	method blank	5/14/2020	Anion	Sulfate	Total	<	0.24	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS	5/14/2020	Anion	Sulfate	Total	=	19.8	mg/L	EPA 300.0	0.24	0.5			
2019/20-5	Lab	LCS, rec	5/14/2020	Anion	Sulfate	Total	=	99	%	EPA 300.0	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Cation	Calcium	Total	=	89	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Cation	Calcium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Cation	Calcium	Total	=	89.6	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Cation	Calcium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	Lab	LCS	5/4/2020	Cation	Calcium	Total	=	52.3	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	Lab	LCS, rec	5/4/2020	Cation	Calcium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	Lab	LCS	5/6/2020	Cation	Calcium	Total	=	49.6	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	Lab	LCS, rec	5/6/2020	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	Lab	LCS	5/19/2020	Cation	Calcium	Total	=	50.2	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	Lab	LCS, rec	5/19/2020	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	Lab	LCS	5/22/2020	Cation	Calcium	Total	=	52.8	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	Lab	LCS, rec	5/22/2020	Cation	Calcium	Total	=	105	%	EPA 200.7	-88	-88	85	115	
2019/20-5	ME-CC	matrix spike	5/19/2020	Cation	Calcium	Total	=	138	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	ME-CC	matrix spike, rec	5/19/2020	Cation	Calcium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike dup	5/19/2020	Cation	Calcium	Total	=	139	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	ME-CC	matrix spike dup, rec	5/19/2020	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike, RPD	5/19/2020	Cation	Calcium	Total	=	0.9	%	EPA 200.7	-88	-88	0	30	
2019/20-5	ME-VR2	matrix spike	5/6/2020	Cation	Calcium	Total	=	166	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	ME-VR2	matrix spike, rec	5/6/2020	Cation	Calcium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike dup	5/6/2020	Cation	Calcium	Total	=	166	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	ME-VR2	matrix spike dup, rec	5/6/2020	Cation	Calcium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike, RPD	5/6/2020	Cation	Calcium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike dup	5/4/2020	Cation	Calcium	Total	=	198	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	MO-FIL	matrix spike dup, rec	5/4/2020	Cation	Calcium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2019/20-5	MO-FIL	matrix spike, RPD	5/4/2020	Cation	Calcium	Total	=	0.06	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike	5/4/2020	Cation	Calcium	Total	=	198	mg/L	EPA 200.7	0.016	0.1			
2019/20-5	MO-FIL	matrix spike, rec	5/4/2020	Cation	Calcium	Total	=	103	%	EPA 200.7	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Cation	Magnesium	Total	=	67.2	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Cation	Magnesium	Total	=	67.6	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Cation	Magnesium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	Lab	LCS	5/4/2020	Cation	Magnesium	Total	=	52.4	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/4/2020	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	Lab	LCS	5/6/2020	Cation	Magnesium	Total	=	49.3	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/6/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	Lab	LCS	5/19/2020	Cation	Magnesium	Total	=	50.4	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/19/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	Lab	LCS	5/22/2020	Cation	Magnesium	Total	=	51.7	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/22/2020	Cation	Magnesium	Total	=	103	%	EPA 200.7	-88	-88	85	115	
2019/20-5	ME-CC	matrix spike	5/19/2020	Cation	Magnesium	Total	=	103	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	ME-CC	matrix spike, rec	5/19/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike dup	5/19/2020	Cation	Magnesium	Total	=	104	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	ME-CC	matrix spike dup, rec	5/19/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike, RPD	5/19/2020	Cation	Magnesium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2019/20-5	ME-VR2	matrix spike	5/6/2020	Cation	Magnesium	Total	=	83.2	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	ME-VR2	matrix spike, rec	5/6/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike dup	5/6/2020	Cation	Magnesium	Total	=	83.3	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	ME-VR2	matrix spike dup, rec	5/6/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike, RPD	5/6/2020	Cation	Magnesium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike dup	5/4/2020	Cation	Magnesium	Total	=	96.1	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	MO-FIL	matrix spike dup, rec	5/4/2020	Cation	Magnesium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-5	MO-FIL	matrix spike, RPD	5/4/2020	Cation	Magnesium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike	5/4/2020	Cation	Magnesium	Total	=	96.2	mg/L	EPA 200.7	0.012	0.1			
2019/20-5	MO-FIL	matrix spike, rec	5/4/2020	Cation	Magnesium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Cation	Potassium	Total	=	61.7	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Cation	Potassium	Total	=	116	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Cation	Potassium	Total	=	62.1	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Cation	Potassium	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Cation	Potassium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	Lab	LCS	5/4/2020	Cation	Potassium	Total	=	55.5	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	Lab	LCS, rec	5/4/2020	Cation	Potassium	Total	=	110	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	Lab	LCS	5/6/2020	Cation	Potassium	Total	=	52.6	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	Lab	LCS, rec	5/6/2020	Cation	Potassium	Total	=	105	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	Lab	LCS	5/19/2020	Cation	Potassium	Total	=	55	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	Lab	LCS, rec	5/19/2020	Cation	Potassium	Total	=	110	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Cation	Potassium	Total	<	0.081	mg/L	EPA 200.7	0.081	0.1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/22/2020	Cation	Potassium	Total	=	55.6	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	Lab	LCS, rec	5/22/2020	Cation	Potassium	Total	=	111	%	EPA 200.7	-88	-88	85	115	
2019/20-5	ME-CC	matrix spike	5/19/2020	Cation	Potassium	Total	=	76.1	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	ME-CC	matrix spike, rec	5/19/2020	Cation	Potassium	Total	=	118	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike dup	5/19/2020	Cation	Potassium	Total	=	77.1	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	ME-CC	matrix spike dup, rec	5/19/2020	Cation	Potassium	Total	=	120	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike, RPD	5/19/2020	Cation	Potassium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	ME-VR2	matrix spike	5/6/2020	Cation	Potassium	Total	=	58.9	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	ME-VR2	matrix spike, rec	5/6/2020	Cation	Potassium	Total	=	112	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike dup	5/6/2020	Cation	Potassium	Total	=	58.8	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	ME-VR2	matrix spike dup, rec	5/6/2020	Cation	Potassium	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike, RPD	5/6/2020	Cation	Potassium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike dup	5/4/2020	Cation	Potassium	Total	=	64.4	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	MO-FIL	matrix spike dup, rec	5/4/2020	Cation	Potassium	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2019/20-5	MO-FIL	matrix spike, RPD	5/4/2020	Cation	Potassium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike	5/4/2020	Cation	Potassium	Total	=	64.5	mg/L	EPA 200.7	0.081	0.1			
2019/20-5	MO-FIL	matrix spike, rec	5/4/2020	Cation	Potassium	Total	=	118	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Cation	Sodium	Total	=	111	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Cation	Sodium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Cation	Sodium	Total	=	112	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Cation	Sodium	Total	=	107	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Cation	Sodium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS	5/4/2020	Cation	Sodium	Total	=	52.1	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS, rec	5/4/2020	Cation	Sodium	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Cation	Sodium	Total	DNQ	0.113	mg/L	EPA 200.7	0.015	0.5			IP
2019/20-5	Lab	LCS	5/6/2020	Cation	Sodium	Total	=	49.1	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS, rec	5/6/2020	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/7/2020	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS	5/7/2020	Cation	Sodium	Total	=	49.1	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS, rec	5/7/2020	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS	5/19/2020	Cation	Sodium	Total	=	49.7	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS, rec	5/19/2020	Cation	Sodium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Cation	Sodium	Total	<	0.015	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS	5/22/2020	Cation	Sodium	Total	=	51	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	Lab	LCS, rec	5/22/2020	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2019/20-5	ME-CC	matrix spike	5/19/2020	Cation	Sodium	Total	=	221	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	ME-CC	matrix spike, rec	5/19/2020	Cation	Sodium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike dup	5/19/2020	Cation	Sodium	Total	=	222	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	ME-CC	matrix spike dup, rec	5/19/2020	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike, RPD	5/19/2020	Cation	Sodium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2019/20-5	ME-VR2	matrix spike	5/6/2020	Cation	Sodium	Total	=	102	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	ME-VR2	matrix spike, rec	5/6/2020	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike dup	5/6/2020	Cation	Sodium	Total	=	103	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	ME-VR2	matrix spike dup, rec	5/6/2020	Cation	Sodium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike, RPD	5/6/2020	Cation	Sodium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-VR2	matrix spike	5/7/2020	Cation	Sodium	Total	=	101	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	ME-VR2	matrix spike, rec	5/7/2020	Cation	Sodium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike dup	5/7/2020	Cation	Sodium	Total	=	100	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	ME-VR2	matrix spike dup, rec	5/7/2020	Cation	Sodium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike, RPD	5/7/2020	Cation	Sodium	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike dup	5/4/2020	Cation	Sodium	Total	=	139	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	MO-FIL	matrix spike dup, rec	5/4/2020	Cation	Sodium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2019/20-5	MO-FIL	matrix spike, RPD	5/4/2020	Cation	Sodium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike	5/4/2020	Cation	Sodium	Total	=	139	mg/L	EPA 200.7	0.015	0.5			
2019/20-5	MO-FIL	matrix spike, rec	5/4/2020	Cation	Sodium	Total	=	109	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	lab duplicate	5/5/2020	Conventional	Alkalinity as CaCO3	n/a	=	185	mg/L	SM 2320 B	0.56	5		15	
2019/20-5	000NONPJ	lab duplicate	5/7/2020	Conventional	Alkalinity as CaCO3	n/a	=	195	mg/L	SM 2320 B	0.56	5		15	
2019/20-5	Lab	method blank	5/5/2020	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	5			
2019/20-5	Lab	LCS	5/5/2020	Conventional	Alkalinity as CaCO3	n/a	=	253	mg/L	SM 2320 B	0.56	5			
2019/20-5	Lab	LCS, rec	5/5/2020	Conventional	Alkalinity as CaCO3	n/a	=	101	%	SM 2320 B	-88	-88	94	108	
2019/20-5	Lab	method blank	5/7/2020	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	5			
2019/20-5	Lab	LCS	5/7/2020	Conventional	Alkalinity as CaCO3	n/a	=	249	mg/L	SM 2320 B	0.56	5			
2019/20-5	Lab	LCS, rec	5/7/2020	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2019/20-5	Lab	method blank	5/21/2020	Conventional	Alkalinity as CaCO3	n/a	<	0.56	mg/L	SM 2320 B	0.56	5			
2019/20-5	Lab	LCS	5/21/2020	Conventional	Alkalinity as CaCO3	n/a	=	247	mg/L	SM 2320 B	0.56	5			
2019/20-5	Lab	LCS, rec	5/21/2020	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2019/20-5	ME-CC	lab duplicate	5/21/2020	Conventional	Alkalinity as CaCO3	n/a	=	258	mg/L	SM 2320 B	0.56	5		15	
2019/20-5	000NONPJ	lab duplicate	5/4/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2019/20-5	000NONPJ	lab duplicate	5/6/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2019/20-5	Lab	method blank	5/4/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	method blank	5/4/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	LCS	5/4/2020	Conventional	BOD	n/a	=	202	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	LCS, rec	5/4/2020	Conventional	BOD	n/a	=	102	%	SM 5210 B	-88	-88	85	115	
2019/20-5	Lab	LCS	5/6/2020	Conventional	BOD	n/a	=	181	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	LCS, rec	5/6/2020	Conventional	BOD	n/a	=	91	%	SM 5210 B	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	method blank	5/6/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	method blank	5/18/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	method blank	5/18/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	LCS	5/18/2020	Conventional	BOD	n/a	=	192	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	LCS, rec	5/18/2020	Conventional	BOD	n/a	=	97	%	SM 5210 B	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	method blank	5/19/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	LCS	5/19/2020	Conventional	BOD	n/a	=	193	mg/L	SM 5210 B	2	2			
2019/20-5	Lab	LCS, rec	5/19/2020	Conventional	BOD	n/a	=	97	%	SM 5210 B	-88	-88	85	115	
2019/20-5	MO-SIM	lab duplicate	5/19/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2019/20-5	MO-THO	lab duplicate	5/18/2020	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2019/20-5	000NONPJ	lab duplicate	5/5/2020	Conventional	COD	n/a	=	42700	mg/L	EPA 410.4	460	800		15	
2019/20-5	000NONPJ	matrix spike	5/5/2020	Conventional	COD	n/a	=	2140	mg/L	EPA 410.4	11	20			
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Conventional	COD	n/a	=	2140	mg/L	EPA 410.4	11	20			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, rec	5/5/2020	Conventional	COD	n/a	=	93	%	EPA 410.4	-88	-88	90	110	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Conventional	COD	n/a	=	0	%	EPA 410.4	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/5/2020	Conventional	COD	n/a	=	203	mg/L	EPA 410.4	11	20			
2019/20-5	000NONPJ	matrix spike, rec	5/5/2020	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Conventional	COD	n/a	=	203	mg/L	EPA 410.4	11	20			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Conventional	COD	n/a	=	0	%	EPA 410.4	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/19/2020	Conventional	COD	n/a	=	197	mg/L	EPA 410.4	2.9	20			
2019/20-5	000NONPJ	matrix spike dup	5/19/2020	Conventional	COD	n/a	=	202	mg/L	EPA 410.4	2.9	20			
2019/20-5	000NONPJ	matrix spike dup, rec	5/19/2020	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, rec	5/19/2020	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/19/2020	Conventional	COD	n/a	=	3	%	EPA 410.4	-88	-88	0	15	
2019/20-5	000NONPJ	lab duplicate	5/19/2020	Conventional	COD	n/a	=	7450	mg/L	EPA 410.4	15	100		15	
2019/20-5	000NONPJ	matrix spike	5/19/2020	Conventional	COD	n/a	=	2480	mg/L	EPA 410.4	2.9	20			
2019/20-5	000NONPJ	matrix spike dup	5/19/2020	Conventional	COD	n/a	=	2650	mg/L	EPA 410.4	2.9	20			
2019/20-5	000NONPJ	matrix spike dup, rec	5/19/2020	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, rec	5/19/2020	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/19/2020	Conventional	COD	n/a	=	7	%	EPA 410.4	-88	-88	0	15	
2019/20-5	000NONPJ	lab duplicate	5/20/2020	Conventional	COD	n/a	=	6180	mg/L	EPA 410.4	15	100		15	
2019/20-5	000NONPJ	matrix spike	5/20/2020	Conventional	COD	n/a	=	2350	mg/L	EPA 410.4	2.9	20			
2019/20-5	000NONPJ	matrix spike dup	5/20/2020	Conventional	COD	n/a	=	2350	mg/L	EPA 410.4	2.9	20			
2019/20-5	000NONPJ	matrix spike dup, rec	5/20/2020	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, rec	5/20/2020	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/20/2020	Conventional	COD	n/a	=	0	%	EPA 410.4	-88	-88	0	15	
2019/20-5	Lab	LCS	5/5/2020	Conventional	COD	n/a	=	922	mg/L	EPA 410.4	2.9	5			
2019/20-5	Lab	LCS, rec	5/5/2020	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2019/20-5	Lab	method blank	5/5/2020	Conventional	COD	n/a	<	2.9	mg/L	EPA 410.4	2.9	5			
2019/20-5	Lab	LCS	5/19/2020	Conventional	COD	n/a	=	922	mg/L	EPA 410.4	0.73	5			
2019/20-5	Lab	LCS, rec	5/19/2020	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2019/20-5	Lab	method blank	5/19/2020	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2019/20-5	Lab	LCS	5/20/2020	Conventional	COD	n/a	=	922	mg/L	EPA 410.4	0.73	5			
2019/20-5	Lab	LCS, rec	5/20/2020	Conventional	COD	n/a	=	92	%	EPA 410.4	-88	-88	90	110	
2019/20-5	Lab	method blank	5/20/2020	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2019/20-5	MO-SIM	matrix spike	5/20/2020	Conventional	COD	n/a	=	207	mg/L	EPA 410.4	2.9	20			
2019/20-5	MO-SIM	matrix spike dup	5/20/2020	Conventional	COD	n/a	=	205	mg/L	EPA 410.4	2.9	20			
2019/20-5	MO-SIM	matrix spike dup, rec	5/20/2020	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2019/20-5	MO-SIM	matrix spike, rec	5/20/2020	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2019/20-5	MO-SIM	matrix spike, RPD	5/20/2020	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Conventional	Cyanide	Total	=	0.0466	mg/L	ASTM D7511	0.0003	0.002			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	64	136	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Conventional	Cyanide	Total	=	0.0461	mg/L	ASTM D7511	0.0003	0.002			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	64	136	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2019/20-5	Lab	LCS	5/6/2020	Conventional	Cyanide	Total	=	0.0512	mg/L	ASTM D7511	0.0003	0.002			
2019/20-5	Lab	LCS, rec	5/6/2020	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	84	116	
2019/20-5	Lab	method blank	5/6/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-5	Lab	LCS	5/21/2020	Conventional	Cyanide	Total	=	0.0512	mg/L	ASTM D7511	0.0003	0.002			
2019/20-5	Lab	LCS, rec	5/21/2020	Conventional	Cyanide	Total	=	102	%	ASTM D7511	-88	-88	84	116	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/21/2020	Conventional	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002			
2019/20-5	MO-OJA	matrix spike	5/6/2020	Conventional	Cyanide	Total	=	0.0513	mg/L	ASTM D7511	0.0003	0.002			
2019/20-5	MO-OJA	matrix spike, rec	5/6/2020	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	64	136	
2019/20-5	MO-OJA	matrix spike dup	5/6/2020	Conventional	Cyanide	Total	=	0.0516	mg/L	ASTM D7511	0.0003	0.002			
2019/20-5	MO-OJA	matrix spike dup, rec	5/6/2020	Conventional	Cyanide	Total	=	103	%	ASTM D7511	-88	-88	64	136	
2019/20-5	MO-OJA	matrix spike, RPD	5/6/2020	Conventional	Cyanide	Total	=	0.6	%	ASTM D7511	-88	-88	0	47	
2019/20-5	Lab	LCS	5/13/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10	mg/L	SM 5310 B	0.5	0.5			
2019/20-5	Lab	LCS dup	5/13/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10	mg/L	SM 5310 B	0.5	0.5			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	100	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	LCS, rec	5/13/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	100	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	LCS, RPD	5/13/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	0.1	%	SM 5310 B	-88	-88	0	20	
2019/20-5	Lab	method blank	5/13/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2019/20-5	Lab	LCS	5/29/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10.1	mg/L	SM 5310 B	0.5	0.5			
2019/20-5	Lab	LCS dup	5/29/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	10	mg/L	SM 5310 B	0.5	0.5			
2019/20-5	Lab	LCS dup, rec	5/29/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	100	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	LCS, rec	5/29/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	101	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	LCS, RPD	5/29/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	=	0.7	%	SM 5310 B	-88	-88	0	20	
2019/20-5	Lab	method blank	5/29/2020	Conventional	Dissolved Inorganic Carbon	Dissolved	<	0.5	mg/L	SM 5310 B	0.5	0.5			
2019/20-5	000NONPJ	matrix spike	5/19/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	9.06	mg/L	SM 5310 B	0.016	0.1			
2019/20-5	000NONPJ	matrix spike dup	5/19/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	9.19	mg/L	SM 5310 B	0.016	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/19/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	106	%	SM 5310 B	-88	-88	74	120	
2019/20-5	000NONPJ	matrix spike, rec	5/19/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	103	%	SM 5310 B	-88	-88	74	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/19/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	1	%	SM 5310 B	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/27/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	8.01	mg/L	SM 5310 B	0.016	0.1			
2019/20-5	000NONPJ	matrix spike dup	5/27/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	7.76	mg/L	SM 5310 B	0.016	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/27/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	111	%	SM 5310 B	-88	-88	74	120	
2019/20-5	000NONPJ	matrix spike, rec	5/27/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	116	%	SM 5310 B	-88	-88	74	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/27/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	3	%	SM 5310 B	-88	-88	0	20	
2019/20-5	Lab	LCS	5/1/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	1.01	mg/L	SM 5310 B	0.016	0.1			
2019/20-5	Lab	LCS dup	5/1/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	1.04	mg/L	SM 5310 B	0.016	0.1			
2019/20-5	Lab	LCS dup, rec	5/1/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	104	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	LCS, rec	5/1/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	101	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	LCS, RPD	5/1/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	3	%	SM 5310 B	-88	-88	0	20	
2019/20-5	Lab	method blank	5/1/2020	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0161	mg/L	SM 5310 B	0.016	0.1			IP
2019/20-5	Lab	LCS	5/19/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	1.07	mg/L	SM 5310 B	0.016	0.1			
2019/20-5	Lab	LCS, rec	5/19/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	107	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0968	mg/L	SM 5310 B	0.016	0.1			IP
2019/20-5	Lab	LCS	5/27/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	0.951	mg/L	SM 5310 B	0.016	0.1			
2019/20-5	Lab	LCS, rec	5/27/2020	Conventional	Dissolved Organic Carbon	Dissolved	=	95	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	method blank	5/27/2020	Conventional	Dissolved Organic Carbon	Dissolved	DNQ	0.0507	mg/L	SM 5310 B	0.016	0.1			IP
2019/20-5	000NONPJ	matrix spike	4/29/2020	Conventional	MBAS	n/a	=	0.213	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Conventional	MBAS	n/a	=	0.212	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Conventional	MBAS	n/a	=	106	%	SM 5540 C	-88	-88	74	123	
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Conventional	MBAS	n/a	=	107	%	SM 5540 C	-88	-88	74	123	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Conventional	MBAS	n/a	=	0.4	%	SM 5540 C	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Conventional	MBAS	n/a	=	0.208	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Conventional	MBAS	n/a	=	0.217	mg/L	SM 5540 C	0.017	0.05			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Conventional	MBAS	n/a	=	108	%	SM 5540 C	-88	-88	74	123	
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	74	123	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Conventional	MBAS	n/a	=	4	%	SM 5540 C	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Conventional	MBAS	n/a	=	0.212	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Conventional	MBAS	n/a	=	0.245	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Conventional	MBAS	n/a	=	110	%	SM 5540 C	-88	-88	74	123	
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Conventional	MBAS	n/a	=	93	%	SM 5540 C	-88	-88	74	123	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Conventional	MBAS	n/a	=	15	%	SM 5540 C	-88	-88	0	20	
2019/20-5	Lab	LCS	4/29/2020	Conventional	MBAS	n/a	=	0.173	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	Lab	LCS, rec	4/29/2020	Conventional	MBAS	n/a	=	87	%	SM 5540 C	-88	-88	82	115	
2019/20-5	Lab	method blank	4/29/2020	Conventional	MBAS	n/a	<	0.017	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	Lab	LCS	5/1/2020	Conventional	MBAS	n/a	=	0.192	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	Lab	LCS, rec	5/1/2020	Conventional	MBAS	n/a	=	96	%	SM 5540 C	-88	-88	82	115	
2019/20-5	Lab	method blank	5/1/2020	Conventional	MBAS	n/a	<	0.017	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	Lab	LCS	5/13/2020	Conventional	MBAS	n/a	=	0.193	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	Lab	LCS, rec	5/13/2020	Conventional	MBAS	n/a	=	97	%	SM 5540 C	-88	-88	82	115	
2019/20-5	Lab	method blank	5/13/2020	Conventional	MBAS	n/a	<	0.017	mg/L	SM 5540 C	0.017	0.05			
2019/20-5	000NONPJ	matrix spike	5/4/2020	Conventional	Phenolics	n/a	=	0.261	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	000NONPJ	matrix spike dup	5/4/2020	Conventional	Phenolics	n/a	=	0.263	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/4/2020	Conventional	Phenolics	n/a	=	102	%	EPA 420.4	-88	-88			
2019/20-5	000NONPJ	matrix spike, rec	5/4/2020	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/4/2020	Conventional	Phenolics	n/a	=	0.8	%	EPA 420.4	-88	-88	0		
2019/20-5	Lab	LCS	5/4/2020	Conventional	Phenolics	n/a	=	0.0978	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	Lab	LCS, rec	5/4/2020	Conventional	Phenolics	n/a	=	98	%	EPA 420.4	-88	-88			
2019/20-5	Lab	method blank	5/4/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	Lab	LCS	5/6/2020	Conventional	Phenolics	n/a	=	0.0934	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	Lab	LCS, rec	5/6/2020	Conventional	Phenolics	n/a	=	93	%	EPA 420.4	-88	-88			
2019/20-5	Lab	method blank	5/6/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	Lab	LCS	5/27/2020	Conventional	Phenolics	n/a	=	0.102	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	Lab	LCS, rec	5/27/2020	Conventional	Phenolics	n/a	=	102	%	EPA 420.4	-88	-88			
2019/20-5	Lab	method blank	5/27/2020	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	ME-CC	matrix spike	5/27/2020	Conventional	Phenolics	n/a	=	0.247	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	ME-CC	matrix spike dup	5/27/2020	Conventional	Phenolics	n/a	=	0.242	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	5/27/2020	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88			
2019/20-5	ME-CC	matrix spike, rec	5/27/2020	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88			
2019/20-5	ME-CC	matrix spike, RPD	5/27/2020	Conventional	Phenolics	n/a	=	2	%	EPA 420.4	-88	-88	0		
2019/20-5	ME-VR2	matrix spike	5/6/2020	Conventional	Phenolics	n/a	=	0.253	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	ME-VR2	matrix spike dup	5/6/2020	Conventional	Phenolics	n/a	=	0.254	mg/L	EPA 420.4	0.0042	0.01			
2019/20-5	ME-VR2	matrix spike dup, rec	5/6/2020	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88			
2019/20-5	ME-VR2	matrix spike, rec	5/6/2020	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88			
2019/20-5	ME-VR2	matrix spike, RPD	5/6/2020	Conventional	Phenolics	n/a	=	0.4	%	EPA 420.4	-88	-88	0		
2019/20-5	000NONPJ	lab duplicate	5/1/2020	Conventional	Specific Conductance	n/a	=	786	µmhos/cm	SM 2510 B	0.23	2		5	
2019/20-5	000NONPJ	lab duplicate	5/6/2020	Conventional	Specific Conductance	n/a	=	1910	µmhos/cm	SM 2510 B	0.7	6		5	
2019/20-5	000NONPJ	lab duplicate	5/13/2020	Conventional	Specific Conductance	n/a	=	640	µmhos/cm	SM 2510 B	0.23	2		5	
2019/20-5	000NONPJ	lab duplicate	5/15/2020	Conventional	Specific Conductance	n/a	=	616	µmhos/cm	SM 2510 B	0.23	2		5	
2019/20-5	Lab	method blank	5/1/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS	5/1/2020	Conventional	Specific Conductance	n/a	=	442	µmhos/cm	SM 2510 B	0.23	2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/1/2020	Conventional	Specific Conductance	n/a	=	99	%	SM 2510 B	-88	-88	95	105	
2019/20-5	Lab	LCS	5/1/2020	Conventional	Specific Conductance	n/a	=	25200	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS, rec	5/1/2020	Conventional	Specific Conductance	n/a	=	101	%	SM 2510 B	-88	-88	95	105	
2019/20-5	Lab	method blank	5/1/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	method blank	5/6/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS	5/6/2020	Conventional	Specific Conductance	n/a	=	442	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS, rec	5/6/2020	Conventional	Specific Conductance	n/a	=	99	%	SM 2510 B	-88	-88	95	105	
2019/20-5	Lab	LCS	5/11/2020	Conventional	Specific Conductance	n/a	=	25300	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS, rec	5/11/2020	Conventional	Specific Conductance	n/a	=	101	%	SM 2510 B	-88	-88	95	105	
2019/20-5	Lab	method blank	5/11/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	method blank	5/13/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS	5/13/2020	Conventional	Specific Conductance	n/a	=	439	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS, rec	5/13/2020	Conventional	Specific Conductance	n/a	=	99	%	SM 2510 B	-88	-88	95	105	
2019/20-5	Lab	method blank	5/15/2020	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS	5/15/2020	Conventional	Specific Conductance	n/a	=	445	µmhos/cm	SM 2510 B	0.23	2			
2019/20-5	Lab	LCS, rec	5/15/2020	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2019/20-5	MO-HUE	lab duplicate	5/11/2020	Conventional	Specific Conductance	n/a	=	20700	µmhos/cm	SM 2510 B	0.23	2		5	
2019/20-5	MO-VEN	lab duplicate	5/1/2020	Conventional	Specific Conductance	n/a	=	12000	µmhos/cm	SM 2510 B	0.23	2		5	
2019/20-5	000NONPJ	lab duplicate	5/4/2020	Conventional	Total Dissolved Solids	n/a	=	36700	mg/L	SM 2540 C	4	10		10	
2019/20-5	000NONPJ	lab duplicate	5/5/2020	Conventional	Total Dissolved Solids	n/a	=	36900	mg/L	SM 2540 C	4	10		10	
2019/20-5	000NONPJ	lab duplicate	5/14/2020	Conventional	Total Dissolved Solids	n/a	=	36100	mg/L	SM 2540 C	4	10		10	
2019/20-5	000NONPJ	lab duplicate	5/14/2020	Conventional	Total Dissolved Solids	n/a	=	37700	mg/L	SM 2540 C	4	10		10	
2019/20-5	000NONPJ	lab duplicate	5/17/2020	Conventional	Total Dissolved Solids	n/a	=	36700	mg/L	SM 2540 C	4	10		10	
2019/20-5	000NONPJ	lab duplicate	5/17/2020	Conventional	Total Dissolved Solids	n/a	=	31300	mg/L	SM 2540 C	4	10		10	
2019/20-5	Lab	LCS	5/4/2020	Conventional	Total Dissolved Solids	n/a	=	825	mg/L	SM 2540 C	4	10			
2019/20-5	Lab	LCS, rec	5/4/2020	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2019/20-5	Lab	method blank	5/4/2020	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2019/20-5	Lab	LCS	5/5/2020	Conventional	Total Dissolved Solids	n/a	=	826	mg/L	SM 2540 C	4	10			
2019/20-5	Lab	LCS, rec	5/5/2020	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2019/20-5	Lab	method blank	5/5/2020	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2019/20-5	Lab	LCS	5/14/2020	Conventional	Total Dissolved Solids	n/a	=	833	mg/L	SM 2540 C	4	10			
2019/20-5	Lab	LCS, rec	5/14/2020	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2019/20-5	Lab	method blank	5/14/2020	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2019/20-5	Lab	LCS	5/17/2020	Conventional	Total Dissolved Solids	n/a	=	805	mg/L	SM 2540 C	4	10			
2019/20-5	Lab	LCS, rec	5/17/2020	Conventional	Total Dissolved Solids	n/a	=	98	%	SM 2540 C	-88	-88	96	102	
2019/20-5	Lab	method blank	5/17/2020	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2019/20-5	MO-HUE	lab duplicate	5/5/2020	Conventional	Total Dissolved Solids	n/a	=	10100	mg/L	SM 2540 C	4	10		10	
2019/20-5	MO-OXN	lab duplicate	5/4/2020	Conventional	Total Dissolved Solids	n/a	=	14200	mg/L	SM 2540 C	4	10		10	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Conventional	Total Organic Carbon	n/a	=	5.8	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Conventional	Total Organic Carbon	n/a	=	5.73	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Conventional	Total Organic Carbon	n/a	=	91	%	SM 5310 B	-88	-88	76	115	
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Conventional	Total Organic Carbon	n/a	=	93	%	SM 5310 B	-88	-88	76	115	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Conventional	Total Organic Carbon	n/a	=	1	%	SM 5310 B	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/12/2020	Conventional	Total Organic Carbon	n/a	=	5.69	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	000NONPJ	matrix spike dup	5/12/2020	Conventional	Total Organic Carbon	n/a	=	5.86	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/12/2020	Conventional	Total Organic Carbon	n/a	=	90	%	SM 5310 B	-88	-88	76	115	
2019/20-5	000NONPJ	matrix spike, rec	5/12/2020	Conventional	Total Organic Carbon	n/a	=	87	%	SM 5310 B	-88	-88	76	115	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, RPD	5/12/2020	Conventional	Total Organic Carbon	n/a	=	3	%	SM 5310 B	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/28/2020	Conventional	Total Organic Carbon	n/a	=	5.35	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	000NONPJ	matrix spike dup	5/28/2020	Conventional	Total Organic Carbon	n/a	=	5.54	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/28/2020	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 B	-88	-88	76	115	
2019/20-5	000NONPJ	matrix spike, rec	5/28/2020	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 B	-88	-88	76	115	
2019/20-5	000NONPJ	matrix spike, RPD	5/28/2020	Conventional	Total Organic Carbon	n/a	=	4	%	SM 5310 B	-88	-88	0	20	
2019/20-5	Lab	LCS	5/11/2020	Conventional	Total Organic Carbon	n/a	=	0.979	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	Lab	LCS, rec	5/11/2020	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	method blank	5/11/2020	Conventional	Total Organic Carbon	n/a	<	0.073	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	Lab	LCS	5/12/2020	Conventional	Total Organic Carbon	n/a	=	1.01	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	Lab	LCS, rec	5/12/2020	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	method blank	5/12/2020	Conventional	Total Organic Carbon	n/a	<	0.073	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	Lab	LCS	5/28/2020	Conventional	Total Organic Carbon	n/a	=	0.965	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	Lab	LCS, rec	5/28/2020	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 B	-88	-88	85	115	
2019/20-5	Lab	method blank	5/28/2020	Conventional	Total Organic Carbon	n/a	<	0.073	mg/L	SM 5310 B	0.073	0.1			
2019/20-5	000NONPJ	lab duplicate	5/1/2020	Conventional	Total Suspended Solids	n/a	=	35	mg/L	SM 2540 D	-88	5		20	
2019/20-5	000NONPJ	lab duplicate	5/2/2020	Conventional	Total Suspended Solids	n/a	=	58.7	mg/L	SM 2540 D	-88	5		20	
2019/20-5	000NONPJ	lab duplicate	5/16/2020	Conventional	Total Suspended Solids	n/a	=	33	mg/L	SM 2540 D	-88	5		20	
2019/20-5	Lab	LCS	5/1/2020	Conventional	Total Suspended Solids	n/a	=	227	mg/L	SM 2540 D	-88	5			
2019/20-5	Lab	LCS, rec	5/1/2020	Conventional	Total Suspended Solids	n/a	=	105	%	SM 2540 D	-88	-88	90	110	
2019/20-5	Lab	method blank	5/1/2020	Conventional	Total Suspended Solids	n/a	DNQ	0.1	mg/L	SM 2540 D	-88	5			IP
2019/20-5	Lab	LCS	5/2/2020	Conventional	Total Suspended Solids	n/a	=	231	mg/L	SM 2540 D	-88	5			
2019/20-5	Lab	LCS, rec	5/2/2020	Conventional	Total Suspended Solids	n/a	=	107	%	SM 2540 D	-88	-88	90	110	
2019/20-5	Lab	method blank	5/2/2020	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2019/20-5	Lab	LCS	5/16/2020	Conventional	Total Suspended Solids	n/a	=	204	mg/L	SM 2540 D	-88	5			
2019/20-5	Lab	LCS, rec	5/16/2020	Conventional	Total Suspended Solids	n/a	=	101	%	SM 2540 D	-88	-88	90	110	
2019/20-5	Lab	method blank	5/16/2020	Conventional	Total Suspended Solids	n/a	DNQ	0.2	mg/L	SM 2540 D	-88	5			IP
2019/20-5	ME-CC	lab duplicate	5/16/2020	Conventional	Total Suspended Solids	n/a	=	10.8	mg/L	SM 2540 D	-88	5		20	
2019/20-5	MO-HUE	lab duplicate	5/2/2020	Conventional	Total Suspended Solids	n/a	=	26.4	mg/L	SM 2540 D	-88	5		20	
2019/20-5	MO-VEN	lab duplicate	5/1/2020	Conventional	Total Suspended Solids	n/a	=	36.8	mg/L	SM 2540 D	-88	5		20	
2019/20-5	000NONPJ	lab duplicate	4/29/2020	Conventional	Turbidity	n/a	=	22	NTU	EPA 180.1	0.017	0.1		10	
2019/20-5	000NONPJ	lab duplicate	5/1/2020	Conventional	Turbidity	n/a	=	21	NTU	EPA 180.1	0.017	0.1		10	
2019/20-5	000NONPJ	lab duplicate	5/13/2020	Conventional	Turbidity	n/a	=	32	NTU	EPA 180.1	0.017	0.1		10	
2019/20-5	Lab	LCS	4/29/2020	Conventional	Turbidity	n/a	=	10.1	NTU	EPA 180.1	0.017	0.1			
2019/20-5	Lab	LCS, rec	4/29/2020	Conventional	Turbidity	n/a	=	101	%	EPA 180.1	-88	-88	90	110	
2019/20-5	Lab	method blank	4/29/2020	Conventional	Turbidity	n/a	DNQ	0.02	NTU	EPA 180.1	0.017	0.1			IP
2019/20-5	Lab	LCS	4/29/2020	Conventional	Turbidity	n/a	=	3.98	NTU	EPA 180.1	0.017	0.1			
2019/20-5	Lab	LCS, rec	4/29/2020	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2019/20-5	Lab	LCS	5/1/2020	Conventional	Turbidity	n/a	=	10.1	NTU	EPA 180.1	0.017	0.1			
2019/20-5	Lab	LCS, rec	5/1/2020	Conventional	Turbidity	n/a	=	101	%	EPA 180.1	-88	-88	90	110	
2019/20-5	Lab	method blank	5/1/2020	Conventional	Turbidity	n/a	DNQ	0.02	NTU	EPA 180.1	0.017	0.1			IP
2019/20-5	Lab	LCS	5/1/2020	Conventional	Turbidity	n/a	=	3.95	NTU	EPA 180.1	0.017	0.1			
2019/20-5	Lab	LCS, rec	5/1/2020	Conventional	Turbidity	n/a	=	99	%	EPA 180.1	-88	-88	90	110	
2019/20-5	Lab	LCS	5/13/2020	Conventional	Turbidity	n/a	=	4	NTU	EPA 180.1	0.017	0.1			
2019/20-5	Lab	LCS	5/13/2020	Conventional	Turbidity	n/a	=	10.2	NTU	EPA 180.1	0.017	0.1			
2019/20-5	Lab	LCS, rec	5/13/2020	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2019/20-5	Lab	LCS, rec	5/13/2020	Conventional	Turbidity	n/a	=	102	%	EPA 180.1	-88	-88	90	110	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/13/2020	Conventional	Turbidity	n/a	DNQ	0.02	NTU	EPA 180.1	0.017	0.1			IP
2019/20-5	Lab	LCS	5/1/2020	Conventional	Volatile Suspended Solids	n/a	=	170	mg/L	EPA 160.4	0.093	0.15			
2019/20-5	Lab	LCS, rec	5/1/2020	Conventional	Volatile Suspended Solids	n/a	=	108	%	EPA 160.4	-88	-88	90	110	
2019/20-5	Lab	method blank	5/1/2020	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-5	Lab	LCS	5/2/2020	Conventional	Volatile Suspended Solids	n/a	=	170	mg/L	EPA 160.4	0.093	0.15			
2019/20-5	Lab	LCS, rec	5/2/2020	Conventional	Volatile Suspended Solids	n/a	=	110	%	EPA 160.4	-88	-88	90	110	
2019/20-5	Lab	method blank	5/2/2020	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-5	Lab	LCS	5/16/2020	Conventional	Volatile Suspended Solids	n/a	=	150	mg/L	EPA 160.4	0.093	0.15			
2019/20-5	Lab	LCS, rec	5/16/2020	Conventional	Volatile Suspended Solids	n/a	=	105	%	EPA 160.4	-88	-88	90	110	
2019/20-5	Lab	method blank	5/16/2020	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2019/20-5	ME-CC	lab duplicate	5/16/2020	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			15
2019/20-5	MO-HUE	lab duplicate	5/2/2020	Conventional	Volatile Suspended Solids	n/a	=	18	mg/L	EPA 160.4	3.1	5			15
2019/20-5	MO-VEN	lab duplicate	5/1/2020	Conventional	Volatile Suspended Solids	n/a	=	18	mg/L	EPA 160.4	3.1	5			15
2019/20-5	Lab	method blank	5/6/2020	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0346	mg/L	EPA 8015D	0.032	0.1			IP
2019/20-5	Lab	LCS	5/6/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.404	mg/L	EPA 8015D	0.032	0.1			
2019/20-5	Lab	LCS, rec	5/6/2020	Hydrocarbon	Diesel Range Organics	n/a	=	81	%	EPA 8015D	-88	-88	56	136	
2019/20-5	Lab	LCS dup	5/6/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.518	mg/L	EPA 8015D	0.032	0.1			
2019/20-5	Lab	LCS dup, rec	5/6/2020	Hydrocarbon	Diesel Range Organics	n/a	=	104	%	EPA 8015D	-88	-88	56	136	
2019/20-5	Lab	LCS, RPD	5/6/2020	Hydrocarbon	Diesel Range Organics	n/a	=	25	%	EPA 8015D	-88	-88	0	25	
2019/20-5	Lab	method blank	5/11/2020	Hydrocarbon	Diesel Range Organics	n/a	<	0.032	mg/L	EPA 8015D	0.032	0.1			
2019/20-5	Lab	LCS	5/11/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.425	mg/L	EPA 8015D	0.032	0.1			
2019/20-5	Lab	LCS, rec	5/11/2020	Hydrocarbon	Diesel Range Organics	n/a	=	85	%	EPA 8015D	-88	-88	56	136	
2019/20-5	Lab	LCS dup	5/11/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.389	mg/L	EPA 8015D	0.032	0.1			
2019/20-5	Lab	LCS dup, rec	5/11/2020	Hydrocarbon	Diesel Range Organics	n/a	=	78	%	EPA 8015D	-88	-88	56	136	
2019/20-5	Lab	LCS, RPD	5/11/2020	Hydrocarbon	Diesel Range Organics	n/a	=	9	%	EPA 8015D	-88	-88	0	25	
2019/20-5	Lab	method blank	5/21/2020	Hydrocarbon	Diesel Range Organics	n/a	<	0.032	mg/L	EPA 8015D	0.032	0.1			
2019/20-5	Lab	LCS dup	5/21/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.367	mg/L	EPA 8015D	0.032	0.1			
2019/20-5	Lab	LCS dup, rec	5/21/2020	Hydrocarbon	Diesel Range Organics	n/a	=	73	%	EPA 8015D	-88	-88	56	136	
2019/20-5	Lab	LCS, RPD	5/21/2020	Hydrocarbon	Diesel Range Organics	n/a	=	7	%	EPA 8015D	-88	-88	0	25	
2019/20-5	Lab	LCS	5/21/2020	Hydrocarbon	Diesel Range Organics	n/a	=	0.395	mg/L	EPA 8015D	0.032	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Hydrocarbon	Diesel Range Organics	n/a	=	79	%	EPA 8015D	-88	-88	56	136	
2019/20-5	Lab	LCS	4/29/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0.96	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	LCS, rec	4/29/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	96	%	LUFT GC/MS	-88	-88	53	136	
2019/20-5	Lab	LCS dup	4/29/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0.99	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	LCS dup, rec	4/29/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	99	%	LUFT GC/MS	-88	-88	53	136	
2019/20-5	Lab	LCS, RPD	4/29/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	3	%	LUFT GC/MS	-88	-88	0	25	
2019/20-5	Lab	method blank	4/30/2020	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	LCS	5/3/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0.97	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	LCS, rec	5/3/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	97	%	LUFT GC/MS	-88	-88	53	136	
2019/20-5	Lab	LCS dup	5/3/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0.93	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	LCS dup, rec	5/3/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	93	%	LUFT GC/MS	-88	-88	53	136	
2019/20-5	Lab	LCS, RPD	5/3/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	4	%	LUFT GC/MS	-88	-88	0	25	
2019/20-5	Lab	method blank	5/3/2020	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	LCS	5/17/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	1	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	LCS, rec	5/17/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	100	%	LUFT GC/MS	-88	-88	53	136	
2019/20-5	Lab	LCS dup	5/17/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	0.98	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	LCS dup, rec	5/17/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	98	%	LUFT GC/MS	-88	-88	53	136	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, RPD	5/17/2020	Hydrocarbon	Gasoline Range Organics	n/a	=	2	%	LUFT GC/MS	-88	-88	0	25	
2019/20-5	Lab	method blank	5/17/2020	Hydrocarbon	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1			
2019/20-5	Lab	srgt method blank	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.303	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	121	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	srgt LCS	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.277	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	srgt LCS dup	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.291	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	srgt method blank	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.269	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	srgt LCS	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.275	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	srgt LCS dup	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.281	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	112	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	srgt method blank	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.276	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	srgt LCS dup	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.276	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	srgt LCS	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.337	mg/L	EPA 8015D	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	135	%	EPA 8015D	-88	-88	64	155	
2019/20-5	ME-CC	srgt environ	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.284	mg/L	EPA 8015D	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015D	-88	-88	64	155	
2019/20-5	ME-SCR	srgt environ	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.299	mg/L	EPA 8015D	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	120	%	EPA 8015D	-88	-88	64	155	
2019/20-5	ME-VR2	srgt environ	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.29	mg/L	EPA 8015D	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-CAM	srgt environ	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.236	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-FIL	srgt environ	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.288	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-HUE	srgt environ	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.282	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	113	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-MPK	srgt environ	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.216	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	86	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-OJA	srgt environ	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.27	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/11/2020	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-OXN	srgt environ	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.306	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	122	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-SIM	srgt environ	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.265	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	106	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-SPA	srgt environ	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.254	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	102	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-THO	srgt environ	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.295	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/21/2020	Hydrocarbon	n-Tetracosane	n/a	=	118	%	EPA 8015D	-88	-88	64	155	
2019/20-5	MO-VEN	srgt environ	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	0.225	mg/L	EPA 8015D	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/6/2020	Hydrocarbon	n-Tetracosane	n/a	=	90	%	EPA 8015D	-88	-88	64	155	
2019/20-5	Lab	LCS	4/29/2020	Hydrocarbon	Oil and Grease	n/a	=	17.3	mg/L	EPA 1664A	1.3	5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	4/29/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4.3	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS dup	4/29/2020	Hydrocarbon	Oil and Grease	n/a	=	17.4	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS dup, rec	4/29/2020	Hydrocarbon	Oil and Grease	n/a	=	87	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, rec	4/29/2020	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, rec	4/29/2020	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, RPD	4/29/2020	Hydrocarbon	Oil and Grease	n/a	=	0.6	%	EPA 1664A	-88	-88	0	18	
2019/20-5	Lab	method blank	4/29/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS	5/4/2020	Hydrocarbon	Oil and Grease	n/a	=	17.9	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS	5/4/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	4.9	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS dup	5/4/2020	Hydrocarbon	Oil and Grease	n/a	=	18.2	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS dup, rec	5/4/2020	Hydrocarbon	Oil and Grease	n/a	=	91	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, rec	5/4/2020	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, rec	5/4/2020	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, RPD	5/4/2020	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2019/20-5	Lab	method blank	5/4/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS	5/22/2020	Hydrocarbon	Oil and Grease	n/a	DNQ	3.9	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS	5/22/2020	Hydrocarbon	Oil and Grease	n/a	=	17.9	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS dup	5/22/2020	Hydrocarbon	Oil and Grease	n/a	=	17.1	mg/L	EPA 1664A	1.3	5			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, rec	5/22/2020	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, rec	5/22/2020	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	LCS, RPD	5/22/2020	Hydrocarbon	Oil and Grease	n/a	=	5	%	EPA 1664A	-88	-88	0	18	
2019/20-5	Lab	method blank	5/22/2020	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2019/20-5	ME-CC	matrix spike	5/22/2020	Hydrocarbon	Oil and Grease	n/a	=	21.6	mg/L	EPA 1664A	1.3	5			
2019/20-5	ME-CC	matrix spike, rec	5/22/2020	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2019/20-5	ME-SCR	matrix spike	4/29/2020	Hydrocarbon	Oil and Grease	n/a	=	25.1	mg/L	EPA 1664A	1.3	5			
2019/20-5	ME-SCR	matrix spike, rec	4/29/2020	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2019/20-5	ME-VR2	matrix spike	5/4/2020	Hydrocarbon	Oil and Grease	n/a	=	22.1	mg/L	EPA 1664A	1.3	5			
2019/20-5	ME-VR2	matrix spike, rec	5/4/2020	Hydrocarbon	Oil and Grease	n/a	=	95	%	EPA 1664A	-88	-88	78	114	
2019/20-5	Lab	method blank	5/6/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-5	Lab	method blank	5/11/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-5	Lab	method blank	5/21/2020	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5			
2019/20-5	Lab	method blank	5/4/2020	Metal	Aluminum	Dissolved	DNQ	3.04	µg/L	EPA 200.8	1.3	5			IP
2019/20-5	Lab	LCS	5/4/2020	Metal	Aluminum	Dissolved	=	52.1	µg/L	EPA 200.8	1.3	5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Aluminum	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Aluminum	Dissolved	DNQ	2.99	µg/L	EPA 200.8	1.3	5			IP
2019/20-5	Lab	LCS	5/8/2020	Metal	Aluminum	Dissolved	=	50.7	µg/L	EPA 200.8	1.3	5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Aluminum	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Aluminum	Dissolved	DNQ	4.14	µg/L	EPA 200.8	1.3	5			IP
2019/20-5	Lab	LCS	5/22/2020	Metal	Aluminum	Dissolved	=	53.8	µg/L	EPA 200.8	1.3	5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Aluminum	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Aluminum	Dissolved	DNQ	1.4	µg/L	EPA 200.8	1.3	5			IP
2019/20-5	Lab	LCS	5/24/2020	Metal	Aluminum	Dissolved	=	52.9	µg/L	EPA 200.8	1.3	5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Aluminum	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Aluminum	Dissolved	=	53.7	µg/L	EPA 200.8	6.5	25			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Aluminum	Dissolved	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Aluminum	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Aluminum	Dissolved	=	54.7	µg/L	EPA 200.8	6.5	25			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Aluminum	Dissolved	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Aluminum	Total	DNQ	4.29	µg/L	EPA 200.8	1.3	5			IP
2019/20-5	Lab	LCS	5/4/2020	Metal	Aluminum	Total	=	52.1	µg/L	EPA 200.8	1.3	5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Aluminum	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Aluminum	Total	DNQ	2.94	µg/L	EPA 200.8	1.3	5			IP
2019/20-5	Lab	LCS	5/8/2020	Metal	Aluminum	Total	=	50.7	µg/L	EPA 200.8	1.3	5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Aluminum	Total	DNQ	4.06	µg/L	EPA 200.8	1.3	5			IP
2019/20-5	Lab	LCS	5/22/2020	Metal	Aluminum	Total	=	53.8	µg/L	EPA 200.8	1.3	5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Aluminum	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Aluminum	Total	DNQ	1.41	µg/L	EPA 200.8	1.3	5			IP
2019/20-5	Lab	LCS	5/24/2020	Metal	Aluminum	Total	=	52.9	µg/L	EPA 200.8	1.3	5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Aluminum	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Aluminum	Total	=	304	µg/L	EPA 200.8	13	50			GB
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Aluminum	Total	=	208	%	EPA 200.8	-88	-88	70	130	GB
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Aluminum	Total	=	276	µg/L	EPA 200.8	13	50			GB
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Aluminum	Total	=	153	%	EPA 200.8	-88	-88	70	130	GB
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Aluminum	Total	=	9	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Aluminum	Total	=	72.6	µg/L	EPA 200.8	1.3	5			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Aluminum	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Aluminum	Total	=	70.9	µg/L	EPA 200.8	1.3	5			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Aluminum	Total	=	53.7	µg/L	EPA 200.8	6.5	25			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Aluminum	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Aluminum	Total	=	54.7	µg/L	EPA 200.8	6.5	25			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Aluminum	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Aluminum	Total	=	56.2	µg/L	EPA 200.8	1.3	5			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Aluminum	Total	=	55.3	µg/L	EPA 200.8	1.3	5			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Aluminum	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Antimony	Dissolved	DNQ	0.0711	µg/L	EPA 200.8	0.045	0.5			IP
2019/20-5	Lab	LCS	5/4/2020	Metal	Antimony	Dissolved	=	52	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Antimony	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Antimony	Dissolved	DNQ	0.0536	µg/L	EPA 200.8	0.045	0.5			IP
2019/20-5	Lab	LCS	5/8/2020	Metal	Antimony	Dissolved	=	51	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Antimony	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS	5/22/2020	Metal	Antimony	Dissolved	=	49.2	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Antimony	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Antimony	Dissolved	DNQ	0.0525	µg/L	EPA 200.8	0.045	0.5			IP
2019/20-5	Lab	LCS	5/24/2020	Metal	Antimony	Dissolved	=	54.7	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Antimony	Dissolved	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Antimony	Dissolved	=	50.9	µg/L	EPA 200.8	0.22	2.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Antimony	Dissolved	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Antimony	Dissolved	=	8	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Antimony	Dissolved	=	54.9	µg/L	EPA 200.8	0.22	2.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Antimony	Dissolved	=	110	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Antimony	Total	DNQ	0.0658	µg/L	EPA 200.8	0.045	0.5			IP
2019/20-5	Lab	LCS	5/4/2020	Metal	Antimony	Total	=	52	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Antimony	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS	5/8/2020	Metal	Antimony	Total	=	51	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS	5/22/2020	Metal	Antimony	Total	=	49.2	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Antimony	Total	DNQ	0.0476	µg/L	EPA 200.8	0.045	0.5			IP
2019/20-5	Lab	LCS	5/24/2020	Metal	Antimony	Total	=	54.7	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Antimony	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Antimony	Total	=	51.5	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Antimony	Total	=	52	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Antimony	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Antimony	Total	=	49.6	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Antimony	Total	=	50	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Antimony	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Antimony	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Antimony	Total	=	50.9	µg/L	EPA 200.8	0.22	2.5			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Antimony	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Antimony	Total	=	8	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Antimony	Total	=	54.9	µg/L	EPA 200.8	0.22	2.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Antimony	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Antimony	Total	=	54.6	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Antimony	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Antimony	Total	=	54.9	µg/L	EPA 200.8	0.045	0.5			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Antimony	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Antimony	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS	5/4/2020	Metal	Arsenic	Dissolved	=	51.6	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Arsenic	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS	5/8/2020	Metal	Arsenic	Dissolved	=	49.4	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Arsenic	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS	5/22/2020	Metal	Arsenic	Dissolved	=	52.6	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Arsenic	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS	5/24/2020	Metal	Arsenic	Dissolved	=	52.9	µg/L	EPA 200.8	0.074	0.4			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Arsenic	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Arsenic	Dissolved	=	50.2	µg/L	EPA 200.8	0.37	2			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Arsenic	Dissolved	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Arsenic	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Arsenic	Dissolved	=	51.2	µg/L	EPA 200.8	0.37	2			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Arsenic	Dissolved	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS	5/4/2020	Metal	Arsenic	Total	=	51.6	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS	5/8/2020	Metal	Arsenic	Total	=	49.4	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS	5/22/2020	Metal	Arsenic	Total	=	52.6	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS	5/24/2020	Metal	Arsenic	Total	=	52.9	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Arsenic	Total	=	51.8	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Arsenic	Total	=	52	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Arsenic	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Arsenic	Total	=	58.8	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Arsenic	Total	=	113	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Arsenic	Total	=	59.5	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Arsenic	Total	=	114	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Arsenic	Total	=	50.2	µg/L	EPA 200.8	0.37	2			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Arsenic	Total	=	51.2	µg/L	EPA 200.8	0.37	2			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Arsenic	Total	=	55	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Arsenic	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Arsenic	Total	=	54.2	µg/L	EPA 200.8	0.074	0.4			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	Lab	LCS	5/4/2020	Metal	Barium	Total	=	50.9	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	Lab	LCS	5/8/2020	Metal	Barium	Total	=	48.9	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	Lab	LCS	5/22/2020	Metal	Barium	Total	=	49.9	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	85	115	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/24/2020	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	Lab	LCS	5/24/2020	Metal	Barium	Total	=	51.2	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Barium	Total	=	96.2	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Barium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Barium	Total	=	94.9	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Barium	Total	=	121	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Barium	Total	=	122	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Barium	Total	=	108	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Barium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Barium	Total	=	107	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Barium	Total	=	68.4	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Barium	Total	=	68.2	µg/L	EPA 200.8	0.071	0.5			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Barium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS	5/4/2020	Metal	Beryllium	Dissolved	=	49.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Beryllium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS	5/8/2020	Metal	Beryllium	Dissolved	=	46.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Beryllium	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS	5/22/2020	Metal	Beryllium	Dissolved	=	45.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Beryllium	Dissolved	=	91	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS	5/24/2020	Metal	Beryllium	Dissolved	=	50.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Beryllium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Beryllium	Dissolved	=	47.7	µg/L	EPA 200.8	0.16	0.5			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Beryllium	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Beryllium	Dissolved	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Beryllium	Dissolved	=	50.4	µg/L	EPA 200.8	0.16	0.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Beryllium	Dissolved	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS	5/4/2020	Metal	Beryllium	Total	=	49.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS	5/8/2020	Metal	Beryllium	Total	=	46.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Beryllium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/22/2020	Metal	Beryllium	Total	=	45.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Beryllium	Total	=	91	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS	5/24/2020	Metal	Beryllium	Total	=	50.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Beryllium	Total	=	50.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Beryllium	Total	=	52.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Beryllium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Beryllium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Beryllium	Total	=	47.3	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Beryllium	Total	=	47.8	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Beryllium	Total	=	47.7	µg/L	EPA 200.8	0.16	0.5			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Beryllium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Beryllium	Total	=	50.4	µg/L	EPA 200.8	0.16	0.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Beryllium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Beryllium	Total	=	51.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Beryllium	Total	=	51.2	µg/L	EPA 200.8	0.033	0.1			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Beryllium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS	5/4/2020	Metal	Cadmium	Dissolved	=	49.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Cadmium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS	5/8/2020	Metal	Cadmium	Dissolved	=	48.3	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS	5/22/2020	Metal	Cadmium	Dissolved	=	47.4	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Cadmium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS	5/24/2020	Metal	Cadmium	Dissolved	=	51.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Cadmium	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Cadmium	Dissolved	=	47.1	µg/L	EPA 200.8	0.2	0.5			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Cadmium	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Cadmium	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Cadmium	Dissolved	=	47.6	µg/L	EPA 200.8	0.2	0.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Cadmium	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS	5/4/2020	Metal	Cadmium	Total	=	49.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS	5/8/2020	Metal	Cadmium	Total	=	48.3	µg/L	EPA 200.8	0.041	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS	5/22/2020	Metal	Cadmium	Total	=	47.4	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS	5/24/2020	Metal	Cadmium	Total	=	51.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Cadmium	Total	=	48.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Cadmium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Cadmium	Total	=	45.8	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Cadmium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Cadmium	Total	=	45.8	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Cadmium	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Cadmium	Total	=	0.02	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Cadmium	Total	=	47.1	µg/L	EPA 200.8	0.2	0.5			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Cadmium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Cadmium	Total	=	47.6	µg/L	EPA 200.8	0.2	0.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Cadmium	Total	=	49.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Cadmium	Total	=	47.9	µg/L	EPA 200.8	0.041	0.1			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS	5/4/2020	Metal	Chromium	Dissolved	=	49.9	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS	5/8/2020	Metal	Chromium	Dissolved	=	47.2	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Chromium	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS	5/22/2020	Metal	Chromium	Dissolved	=	49.8	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Chromium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Chromium	Dissolved	DNQ	0.0619	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-5	Lab	LCS	5/24/2020	Metal	Chromium	Dissolved	=	51	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Chromium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Chromium	Dissolved	=	48.2	µg/L	EPA 200.8	0.18	1			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Chromium	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Chromium	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Chromium	Dissolved	=	47.5	µg/L	EPA 200.8	0.18	1			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Chromium	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS	5/4/2020	Metal	Chromium	Total	=	49.9	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	85	115	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/8/2020	Metal	Chromium	Total	DNQ	0.0531	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-5	Lab	LCS	5/8/2020	Metal	Chromium	Total	=	47.2	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Chromium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS	5/22/2020	Metal	Chromium	Total	=	49.8	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS	5/24/2020	Metal	Chromium	Total	=	51	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Chromium	Total	=	47.1	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Chromium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Chromium	Total	=	47.7	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Chromium	Total	=	50.2	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Chromium	Total	=	50.1	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Chromium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Chromium	Total	=	48.2	µg/L	EPA 200.8	0.18	1			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Chromium	Total	=	47.5	µg/L	EPA 200.8	0.18	1			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Chromium	Total	=	51.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Chromium	Total	=	51.5	µg/L	EPA 200.8	0.035	0.2			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Chromium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Metal	Chromium VI	n/a	=	13.8	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Metal	Chromium VI	n/a	=	91	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Metal	Chromium VI	n/a	=	14	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Metal	Chromium VI	n/a	=	96	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Metal	Chromium VI	n/a	=	2	%	EPA 218.6	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Metal	Chromium VI	n/a	=	5.74	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Metal	Chromium VI	n/a	=	106	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Metal	Chromium VI	n/a	=	5.7	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Metal	Chromium VI	n/a	=	0.7	%	EPA 218.6	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Metal	Chromium VI	n/a	=	5.4	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Metal	Chromium VI	n/a	=	96	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Metal	Chromium VI	n/a	=	5.5	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Metal	Chromium VI	n/a	=	98	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Metal	Chromium VI	n/a	=	2	%	EPA 218.6	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Metal	Chromium VI	n/a	=	8.79	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Metal	Chromium VI	n/a	=	97	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Metal	Chromium VI	n/a	=	8.82	µg/L	EPA 218.6	0.0079	0.02			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Metal	Chromium VI	n/a	=	97	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Metal	Chromium VI	n/a	=	0.4	%	EPA 218.6	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Metal	Chromium VI	n/a	=	5.17	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Metal	Chromium VI	n/a	=	5.32	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Metal	Chromium VI	n/a	=	106	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Metal	Chromium VI	n/a	=	3	%	EPA 218.6	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Metal	Chromium VI	n/a	=	5.12	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Metal	Chromium VI	n/a	=	5.44	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Metal	Chromium VI	n/a	=	108	%	EPA 218.6	-88	-88	88	112	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Metal	Chromium VI	n/a	=	6	%	EPA 218.6	-88	-88	0	10	
2019/20-5	Lab	method blank	4/29/2020	Metal	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	Lab	LCS	4/29/2020	Metal	Chromium VI	n/a	=	5.02	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	Lab	LCS, rec	4/29/2020	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2019/20-5	Lab	method blank	5/4/2020	Metal	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	Lab	LCS	5/4/2020	Metal	Chromium VI	n/a	=	4.98	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2019/20-5	Lab	method blank	5/13/2020	Metal	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	Lab	LCS	5/13/2020	Metal	Chromium VI	n/a	=	4.78	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	Lab	LCS, rec	5/13/2020	Metal	Chromium VI	n/a	=	96	%	EPA 218.6	-88	-88	90	110	
2019/20-5	Lab	method blank	5/14/2020	Metal	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	Lab	LCS	5/14/2020	Metal	Chromium VI	n/a	=	5.08	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	Lab	LCS, rec	5/14/2020	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	90	110	
2019/20-5	ME-VR2	matrix spike	5/4/2020	Metal	Chromium VI	n/a	=	5.15	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	ME-VR2	matrix spike, rec	5/4/2020	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2019/20-5	ME-VR2	matrix spike dup	5/4/2020	Metal	Chromium VI	n/a	=	5.17	µg/L	EPA 218.6	0.0079	0.02			
2019/20-5	ME-VR2	matrix spike dup, rec	5/4/2020	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2019/20-5	ME-VR2	matrix spike, RPD	5/4/2020	Metal	Chromium VI	n/a	=	0.4	%	EPA 218.6	-88	-88	0	10	
2019/20-5	Lab	method blank	5/4/2020	Metal	Copper	Dissolved	DNQ	0.152	µg/L	EPA 200.8	0.13	0.5			IP
2019/20-5	Lab	LCS	5/4/2020	Metal	Copper	Dissolved	=	51.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Copper	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS	5/8/2020	Metal	Copper	Dissolved	=	49.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Copper	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Copper	Dissolved	=	0.87	µg/L	EPA 200.8	0.13	0.5			IP
2019/20-5	Lab	LCS	5/22/2020	Metal	Copper	Dissolved	=	52.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Copper	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS	5/24/2020	Metal	Copper	Dissolved	=	53.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Copper	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/28/2020	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS	5/28/2020	Metal	Copper	Dissolved	=	54.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/28/2020	Metal	Copper	Dissolved	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Copper	Dissolved	=	49	µg/L	EPA 200.8	0.65	2.5			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Copper	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Copper	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Copper	Dissolved	=	48.4	µg/L	EPA 200.8	0.65	2.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Copper	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS	5/4/2020	Metal	Copper	Total	=	51.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS	5/8/2020	Metal	Copper	Total	=	49.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Copper	Total	=	0.75	µg/L	EPA 200.8	0.13	0.5			IP
2019/20-5	Lab	LCS	5/22/2020	Metal	Copper	Total	=	52.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Copper	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS	5/24/2020	Metal	Copper	Total	=	53.4	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Copper	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/28/2020	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS	5/28/2020	Metal	Copper	Total	=	54.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	Lab	LCS, rec	5/28/2020	Metal	Copper	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-CC	matrix spike	5/28/2020	Metal	Copper	Total	=	102	µg/L	EPA 200.8	0.26	1			
2019/20-5	ME-CC	matrix spike, rec	5/28/2020	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike dup	5/28/2020	Metal	Copper	Total	=	100	µg/L	EPA 200.8	0.26	1			
2019/20-5	ME-CC	matrix spike dup, rec	5/28/2020	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike, RPD	5/28/2020	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Copper	Total	=	47.7	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Copper	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Copper	Total	=	48.1	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Copper	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Copper	Total	=	66.8	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Copper	Total	=	67	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Copper	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Copper	Total	=	49	µg/L	EPA 200.8	0.65	2.5			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Copper	Total	=	48.4	µg/L	EPA 200.8	0.65	2.5			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Copper	Total	=	49.2	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Copper	Total	=	48.9	µg/L	EPA 200.8	0.13	0.5			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Copper	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Metal	Iron	Dissolved	=	162	µg/L	EPA 200.7	1.1	10			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Metal	Iron	Dissolved	=	112	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Metal	Iron	Dissolved	=	161	µg/L	EPA 200.7	1.1	10			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Metal	Iron	Dissolved	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Metal	Iron	Dissolved	=	0.6	%	EPA 200.7	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/4/2020	Metal	Iron	Dissolved	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2019/20-5	Lab	LCS	5/4/2020	Metal	Iron	Dissolved	=	212	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Iron	Dissolved	=	106	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Metal	Iron	Dissolved	DNQ	3	µg/L	EPA 200.7	1.1	10			IP
2019/20-5	Lab	LCS	5/6/2020	Metal	Iron	Dissolved	=	209	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS, rec	5/6/2020	Metal	Iron	Dissolved	=	104	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Metal	Iron	Dissolved	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2019/20-5	Lab	LCS	5/19/2020	Metal	Iron	Dissolved	=	208	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS, rec	5/19/2020	Metal	Iron	Dissolved	=	104	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Iron	Dissolved	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2019/20-5	Lab	LCS	5/22/2020	Metal	Iron	Dissolved	=	107	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Iron	Dissolved	=	107	%	EPA 200.7	-88	-88	85	115	
2019/20-5	MO-FIL	matrix spike dup	5/4/2020	Metal	Iron	Dissolved	=	233	µg/L	EPA 200.7	1.1	10			
2019/20-5	MO-FIL	matrix spike dup, rec	5/4/2020	Metal	Iron	Dissolved	=	114	%	EPA 200.7	-88	-88	70	130	
2019/20-5	MO-FIL	matrix spike, RPD	5/4/2020	Metal	Iron	Dissolved	=	0.4	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike	5/4/2020	Metal	Iron	Dissolved	=	234	µg/L	EPA 200.7	1.1	10			
2019/20-5	MO-FIL	matrix spike, rec	5/4/2020	Metal	Iron	Dissolved	=	114	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Metal	Iron	Total	=	162	µg/L	EPA 200.7	1.1	10			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Metal	Iron	Total	=	112	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Metal	Iron	Total	=	161	µg/L	EPA 200.7	1.1	10			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Metal	Iron	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Metal	Iron	Total	=	0.6	%	EPA 200.7	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Iron	Total	DNQ	3	µg/L	EPA 200.7	1.1	10			IP
2019/20-5	Lab	LCS	5/4/2020	Metal	Iron	Total	=	212	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Iron	Total	=	106	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Metal	Iron	Total	DNQ	4	µg/L	EPA 200.7	1.1	10			IP
2019/20-5	Lab	LCS	5/6/2020	Metal	Iron	Total	=	209	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS, rec	5/6/2020	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Metal	Iron	Total	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2019/20-5	Lab	LCS	5/19/2020	Metal	Iron	Total	=	208	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS, rec	5/19/2020	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS	5/22/2020	Metal	Iron	Total	=	107	µg/L	EPA 200.7	1.1	10			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Iron	Total	=	107	%	EPA 200.7	-88	-88	85	115	
2019/20-5	ME-CC	matrix spike	5/19/2020	Metal	Iron	Total	=	463	µg/L	EPA 200.7	1.1	10			
2019/20-5	ME-CC	matrix spike, rec	5/19/2020	Metal	Iron	Total	=	112	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike dup	5/19/2020	Metal	Iron	Total	=	457	µg/L	EPA 200.7	1.1	10			
2019/20-5	ME-CC	matrix spike dup, rec	5/19/2020	Metal	Iron	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike, RPD	5/19/2020	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	ME-VR2	matrix spike	5/6/2020	Metal	Iron	Total	=	347	µg/L	EPA 200.7	1.1	10			
2019/20-5	ME-VR2	matrix spike, rec	5/6/2020	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike dup	5/6/2020	Metal	Iron	Total	=	351	µg/L	EPA 200.7	1.1	10			
2019/20-5	ME-VR2	matrix spike dup, rec	5/6/2020	Metal	Iron	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike, RPD	5/6/2020	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike dup	5/4/2020	Metal	Iron	Total	=	233	µg/L	EPA 200.7	1.1	10			
2019/20-5	MO-FIL	matrix spike dup, rec	5/4/2020	Metal	Iron	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-5	MO-FIL	matrix spike, RPD	5/4/2020	Metal	Iron	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-FIL	matrix spike	5/4/2020	Metal	Iron	Total	=	234	µg/L	EPA 200.7	1.1	10			
2019/20-5	MO-FIL	matrix spike, rec	5/4/2020	Metal	Iron	Total	=	108	%	EPA 200.7	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS	5/4/2020	Metal	Lead	Dissolved	=	50.5	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Lead	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS	5/8/2020	Metal	Lead	Dissolved	=	50	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Lead	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS	5/22/2020	Metal	Lead	Dissolved	=	47.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Lead	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS	5/24/2020	Metal	Lead	Dissolved	=	51	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Lead	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Lead	Dissolved	=	48.5	µg/L	EPA 200.8	0.16	1			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Lead	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Lead	Dissolved	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Lead	Dissolved	=	50.9	µg/L	EPA 200.8	0.16	1			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Lead	Dissolved	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS	5/4/2020	Metal	Lead	Total	=	50.5	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS	5/8/2020	Metal	Lead	Total	=	50	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS	5/22/2020	Metal	Lead	Total	=	47.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS	5/24/2020	Metal	Lead	Total	=	51	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Lead	Total	=	48.8	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Lead	Total	=	48.7	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Lead	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Lead	Total	=	48.4	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Lead	Total	=	48.9	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Lead	Total	=	48.5	µg/L	EPA 200.8	0.16	1			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Lead	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Lead	Total	=	50.9	µg/L	EPA 200.8	0.16	1			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Lead	Total	=	50.3	µg/L	EPA 200.8	0.031	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Lead	Total	=	50.2	µg/L	EPA 200.8	0.031	0.2			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Lead	Total	=	0.08	%	EPA 200.8	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/8/2020	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike, rec	5/8/2020	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/8/2020	Metal	Mercury	Dissolved	=	1020	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike dup, rec	5/8/2020	Metal	Mercury	Dissolved	=	102	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/8/2020	Metal	Mercury	Dissolved	=	0.5	%	EPA 245.1	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/8/2020	Metal	Mercury	Dissolved	=	984	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike, rec	5/8/2020	Metal	Mercury	Dissolved	=	96	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/8/2020	Metal	Mercury	Dissolved	=	993	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike dup, rec	5/8/2020	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/8/2020	Metal	Mercury	Dissolved	=	0.9	%	EPA 245.1	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Metal	Mercury	Dissolved	=	1040	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Metal	Mercury	Dissolved	=	1030	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Metal	Mercury	Dissolved	=	96	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Metal	Mercury	Dissolved	=	1	%	EPA 245.1	-88	-88	0	20	
2019/20-5	Lab	method blank	5/1/2020	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS	5/1/2020	Metal	Mercury	Dissolved	=	1030	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS, rec	5/1/2020	Metal	Mercury	Dissolved	=	103	%	EPA 245.1	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS	5/8/2020	Metal	Mercury	Dissolved	=	993	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Mercury	Dissolved	=	99	%	EPA 245.1	-88	-88	85	115	
2019/20-5	Lab	method blank	5/21/2020	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS	5/21/2020	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS, rec	5/21/2020	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS	5/22/2020	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	85	115	
2019/20-5	MO-SPA	matrix spike	5/1/2020	Metal	Mercury	Dissolved	=	1040	ng/L	EPA 245.1	17	50			
2019/20-5	MO-SPA	matrix spike, rec	5/1/2020	Metal	Mercury	Dissolved	=	102	%	EPA 245.1	-88	-88	70	130	
2019/20-5	MO-SPA	matrix spike dup	5/1/2020	Metal	Mercury	Dissolved	=	1060	ng/L	EPA 245.1	17	50			
2019/20-5	MO-SPA	matrix spike dup, rec	5/1/2020	Metal	Mercury	Dissolved	=	104	%	EPA 245.1	-88	-88	70	130	
2019/20-5	MO-SPA	matrix spike, RPD	5/1/2020	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	
2019/20-5	MO-THO	matrix spike	5/21/2020	Metal	Mercury	Dissolved	=	962	ng/L	EPA 245.1	17	50			
2019/20-5	MO-THO	matrix spike, rec	5/21/2020	Metal	Mercury	Dissolved	=	94	%	EPA 245.1	-88	-88	70	130	
2019/20-5	MO-THO	matrix spike dup	5/21/2020	Metal	Mercury	Dissolved	=	999	ng/L	EPA 245.1	17	50			
2019/20-5	MO-THO	matrix spike dup, rec	5/21/2020	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-5	MO-THO	matrix spike, RPD	5/21/2020	Metal	Mercury	Dissolved	=	4	%	EPA 245.1	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/8/2020	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike, rec	5/8/2020	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/8/2020	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike dup, rec	5/8/2020	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/8/2020	Metal	Mercury	Total	=	0.5	%	EPA 245.1	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/8/2020	Metal	Mercury	Total	=	984	ng/L	EPA 245.1	17	50			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, rec	5/8/2020	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/8/2020	Metal	Mercury	Total	=	993	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike dup, rec	5/8/2020	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/8/2020	Metal	Mercury	Total	=	0.9	%	EPA 245.1	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Metal	Mercury	Total	=	89	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Metal	Mercury	Total	=	87	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Metal	Mercury	Total	=	1140	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Metal	Mercury	Total	=	1100	ng/L	EPA 245.1	17	50			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Metal	Mercury	Total	=	4	%	EPA 245.1	-88	-88	0	20	
2019/20-5	Lab	method blank	5/1/2020	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS	5/1/2020	Metal	Mercury	Total	=	1030	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS, rec	5/1/2020	Metal	Mercury	Total	=	103	%	EPA 245.1	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS	5/8/2020	Metal	Mercury	Total	=	993	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	85	115	
2019/20-5	Lab	method blank	5/21/2020	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS	5/21/2020	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS, rec	5/21/2020	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS	5/22/2020	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	85	115	
2019/20-5	MO-SPA	matrix spike	5/1/2020	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	17	50			
2019/20-5	MO-SPA	matrix spike, rec	5/1/2020	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2019/20-5	MO-SPA	matrix spike dup	5/1/2020	Metal	Mercury	Total	=	1060	ng/L	EPA 245.1	17	50			
2019/20-5	MO-SPA	matrix spike dup, rec	5/1/2020	Metal	Mercury	Total	=	104	%	EPA 245.1	-88	-88	70	130	
2019/20-5	MO-SPA	matrix spike, RPD	5/1/2020	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2019/20-5	MO-THO	matrix spike	5/21/2020	Metal	Mercury	Total	=	962	ng/L	EPA 245.1	17	50			
2019/20-5	MO-THO	matrix spike, rec	5/21/2020	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2019/20-5	MO-THO	matrix spike dup	5/21/2020	Metal	Mercury	Total	=	999	ng/L	EPA 245.1	17	50			
2019/20-5	MO-THO	matrix spike dup, rec	5/21/2020	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2019/20-5	MO-THO	matrix spike, RPD	5/21/2020	Metal	Mercury	Total	=	4	%	EPA 245.1	-88	-88	0	20	
2019/20-5	Lab	method blank	5/4/2020	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS	5/4/2020	Metal	Nickel	Dissolved	=	51	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Nickel	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS	5/8/2020	Metal	Nickel	Dissolved	=	48.6	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Nickel	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS	5/22/2020	Metal	Nickel	Dissolved	=	50.6	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Nickel	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS	5/24/2020	Metal	Nickel	Dissolved	=	52.5	µg/L	EPA 200.8	0.045	0.8			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Nickel	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Nickel	Dissolved	=	48.1	µg/L	EPA 200.8	0.22	4			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Nickel	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Nickel	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Nickel	Dissolved	=	47.1	µg/L	EPA 200.8	0.22	4			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Nickel	Dissolved	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS	5/4/2020	Metal	Nickel	Total	=	51	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS	5/8/2020	Metal	Nickel	Total	=	48.6	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS	5/22/2020	Metal	Nickel	Total	=	50.6	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS	5/24/2020	Metal	Nickel	Total	=	52.5	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Nickel	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Nickel	Total	=	47.3	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Nickel	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Nickel	Total	=	47.4	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Nickel	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Nickel	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Nickel	Total	=	52.8	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Nickel	Total	=	52.9	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Nickel	Total	=	0.09	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Nickel	Total	=	48.1	µg/L	EPA 200.8	0.22	4			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Nickel	Total	=	47.1	µg/L	EPA 200.8	0.22	4			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Nickel	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Nickel	Total	=	48.8	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Nickel	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Nickel	Total	=	48.9	µg/L	EPA 200.8	0.045	0.8			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Nickel	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS	5/4/2020	Metal	Selenium	Dissolved	=	49.8	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Selenium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS	5/8/2020	Metal	Selenium	Dissolved	=	48.9	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Selenium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS	5/22/2020	Metal	Selenium	Dissolved	=	50.4	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Selenium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/24/2020	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS	5/24/2020	Metal	Selenium	Dissolved	=	51.4	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Selenium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Selenium	Dissolved	=	58.8	µg/L	EPA 200.8	0.7	2			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Selenium	Dissolved	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Selenium	Dissolved	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Selenium	Dissolved	=	58.6	µg/L	EPA 200.8	0.7	2			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Selenium	Dissolved	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS	5/4/2020	Metal	Selenium	Total	=	49.8	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS	5/8/2020	Metal	Selenium	Total	=	48.9	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS	5/22/2020	Metal	Selenium	Total	=	50.4	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS	5/24/2020	Metal	Selenium	Total	=	51.4	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Selenium	Total	=	53.4	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Selenium	Total	=	54	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Selenium	Total	=	52.6	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Selenium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Selenium	Total	=	53.1	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Selenium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Selenium	Total	=	58.8	µg/L	EPA 200.8	0.7	2			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Selenium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Selenium	Total	=	58.6	µg/L	EPA 200.8	0.7	2			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Selenium	Total	=	83	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Selenium	Total	=	83.2	µg/L	EPA 200.8	0.14	0.4			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Selenium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS	5/4/2020	Metal	Silver	Dissolved	=	49.6	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Silver	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS	5/8/2020	Metal	Silver	Dissolved	=	50.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Silver	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/22/2020	Metal	Silver	Dissolved	=	48.9	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Silver	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS	5/24/2020	Metal	Silver	Dissolved	=	52.3	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Silver	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Silver	Dissolved	=	47.4	µg/L	EPA 200.8	0.31	1			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Silver	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Silver	Dissolved	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Silver	Dissolved	=	48.7	µg/L	EPA 200.8	0.31	1			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Silver	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS	5/4/2020	Metal	Silver	Total	=	49.6	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS	5/8/2020	Metal	Silver	Total	=	50.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Silver	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS	5/22/2020	Metal	Silver	Total	=	48.9	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS	5/24/2020	Metal	Silver	Total	=	52.3	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Silver	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Silver	Total	=	45.2	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Silver	Total	=	45.8	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Silver	Total	=	44.8	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Silver	Total	=	45.1	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Silver	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Silver	Total	=	47.4	µg/L	EPA 200.8	0.31	1			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Silver	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Silver	Total	=	48.7	µg/L	EPA 200.8	0.31	1			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Silver	Total	=	47.7	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Silver	Total	=	48.3	µg/L	EPA 200.8	0.062	0.2			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS	5/4/2020	Metal	Thallium	Dissolved	=	49.8	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Thallium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS	5/8/2020	Metal	Thallium	Dissolved	=	49.4	µg/L	EPA 200.8	0.014	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Thallium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS	5/22/2020	Metal	Thallium	Dissolved	=	50.5	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Thallium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS	5/24/2020	Metal	Thallium	Dissolved	=	50.3	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Thallium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Thallium	Dissolved	=	50.1	µg/L	EPA 200.8	0.07	1			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Thallium	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Thallium	Dissolved	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Thallium	Dissolved	=	52.6	µg/L	EPA 200.8	0.07	1			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Thallium	Dissolved	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Thallium	Dissolved	=	49.8	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Thallium	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS	5/4/2020	Metal	Thallium	Total	=	49.8	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS	5/8/2020	Metal	Thallium	Total	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS	5/22/2020	Metal	Thallium	Total	=	50.5	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS	5/24/2020	Metal	Thallium	Total	=	50.3	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Thallium	Total	=	50.3	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Thallium	Total	=	49.8	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Thallium	Total	=	52.3	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Thallium	Total	=	53	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Thallium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Thallium	Total	=	50.1	µg/L	EPA 200.8	0.07	1			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Thallium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Thallium	Total	=	52.6	µg/L	EPA 200.8	0.07	1			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Thallium	Total	=	49.8	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Thallium	Total	=	49.5	µg/L	EPA 200.8	0.014	0.2			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Thallium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/4/2020	Metal	Zinc	Dissolved	=	51	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Zinc	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS	5/8/2020	Metal	Zinc	Dissolved	=	50.3	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Zinc	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Zinc	Dissolved	DNQ	1.26	µg/L	EPA 200.8	0.94	5			IP
2019/20-5	Lab	LCS	5/22/2020	Metal	Zinc	Dissolved	=	52.1	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Zinc	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS	5/24/2020	Metal	Zinc	Dissolved	=	52.5	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Zinc	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Zinc	Dissolved	=	55.3	µg/L	EPA 200.8	4.7	25			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Zinc	Dissolved	=	111	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Zinc	Dissolved	=	7	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Zinc	Dissolved	=	51.8	µg/L	EPA 200.8	4.7	25			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Zinc	Dissolved	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-5	Lab	method blank	5/4/2020	Metal	Zinc	Total	DNQ	1.17	µg/L	EPA 200.8	0.94	5			IP
2019/20-5	Lab	LCS	5/4/2020	Metal	Zinc	Total	=	51	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS, rec	5/4/2020	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/8/2020	Metal	Zinc	Total	DNQ	2.6	µg/L	EPA 200.8	0.94	5			IP
2019/20-5	Lab	LCS	5/8/2020	Metal	Zinc	Total	=	50.3	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS, rec	5/8/2020	Metal	Zinc	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS	5/22/2020	Metal	Zinc	Total	=	52.1	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS, rec	5/22/2020	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-5	Lab	method blank	5/24/2020	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS	5/24/2020	Metal	Zinc	Total	=	52.5	µg/L	EPA 200.8	0.94	5			
2019/20-5	Lab	LCS, rec	5/24/2020	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-5	ME-SCR	matrix spike	5/4/2020	Metal	Zinc	Total	=	47.9	µg/L	EPA 200.8	0.94	5			
2019/20-5	ME-SCR	matrix spike, rec	5/4/2020	Metal	Zinc	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike dup	5/4/2020	Metal	Zinc	Total	=	48.5	µg/L	EPA 200.8	0.94	5			
2019/20-5	ME-SCR	matrix spike dup, rec	5/4/2020	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2019/20-5	ME-SCR	matrix spike, RPD	5/4/2020	Metal	Zinc	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-CAM	matrix spike	5/22/2020	Metal	Zinc	Total	=	53.8	µg/L	EPA 200.8	0.94	5			
2019/20-5	MO-CAM	matrix spike, rec	5/22/2020	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike dup	5/22/2020	Metal	Zinc	Total	=	53.6	µg/L	EPA 200.8	0.94	5			
2019/20-5	MO-CAM	matrix spike dup, rec	5/22/2020	Metal	Zinc	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-CAM	matrix spike, RPD	5/22/2020	Metal	Zinc	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike dup	5/8/2020	Metal	Zinc	Total	=	55.3	µg/L	EPA 200.8	4.7	25			
2019/20-5	MO-OJA	matrix spike dup, rec	5/8/2020	Metal	Zinc	Total	=	111	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-OJA	matrix spike, RPD	5/8/2020	Metal	Zinc	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/8/2020	Metal	Zinc	Total	=	51.8	µg/L	EPA 200.8	4.7	25			
2019/20-5	MO-OJA	matrix spike, rec	5/8/2020	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike	5/24/2020	Metal	Zinc	Total	=	47.3	µg/L	EPA 200.8	0.94	5			
2019/20-5	MO-SIM	matrix spike, rec	5/24/2020	Metal	Zinc	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2019/20-5	MO-SIM	matrix spike dup	5/24/2020	Metal	Zinc	Total	=	46.9	µg/L	EPA 200.8	0.94	5			
2019/20-5	MO-SIM	matrix spike dup, rec	5/24/2020	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-SIM	matrix spike, RPD	5/24/2020	Metal	Zinc	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	4/30/2020	Nutrient	Ammonia as N	n/a	=	0.257	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike, rec	4/30/2020	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	4/30/2020	Nutrient	Ammonia as N	n/a	=	0.259	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	4/30/2020	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	4/30/2020	Nutrient	Ammonia as N	n/a	=	0.8	%	EPA 350.1	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	4/30/2020	Nutrient	Ammonia as N	n/a	=	0.246	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike, rec	4/30/2020	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	4/30/2020	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	4/30/2020	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	4/30/2020	Nutrient	Ammonia as N	n/a	=	0.9	%	EPA 350.1	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/5/2020	Nutrient	Ammonia as N	n/a	=	0.247	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/5/2020	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Nutrient	Ammonia as N	n/a	=	0.243	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Nutrient	Ammonia as N	n/a	=	2	%	EPA 350.1	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/5/2020	Nutrient	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/5/2020	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Nutrient	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Nutrient	Ammonia as N	n/a	=	0.2	%	EPA 350.1	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Nutrient	Ammonia as N	n/a	=	0.255	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Nutrient	Ammonia as N	n/a	=	0.255	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2019/20-5	000NONPJ	lab duplicate	5/14/2020	Nutrient	Ammonia as N	n/a	=	27.5	mg/L	EPA 350.1	1.2	10			
2019/20-5	Lab	method blank	4/30/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS	4/30/2020	Nutrient	Ammonia as N	n/a	=	0.24	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2019/20-5	Lab	method blank	4/30/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS	4/30/2020	Nutrient	Ammonia as N	n/a	=	0.241	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Nutrient	Ammonia as N	n/a	=	96	%	EPA 350.1	-88	-88	90	110	
2019/20-5	Lab	method blank	5/5/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS	5/5/2020	Nutrient	Ammonia as N	n/a	=	0.247	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/5/2020	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2019/20-5	Lab	method blank	5/5/2020	Nutrient	Ammonia as N	n/a	DNQ	0.0154	mg/L	EPA 350.1	0.012	0.1			IP
2019/20-5	Lab	LCS	5/5/2020	Nutrient	Ammonia as N	n/a	=	0.246	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/5/2020	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2019/20-5	Lab	method blank	5/14/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS	5/14/2020	Nutrient	Ammonia as N	n/a	=	0.259	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2019/20-5	Lab	method blank	5/14/2020	Nutrient	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS	5/14/2020	Nutrient	Ammonia as N	n/a	=	0.249	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2019/20-5	MO-SIM	matrix spike	5/14/2020	Nutrient	Ammonia as N	n/a	=	0.269	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	MO-SIM	matrix spike, rec	5/14/2020	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-SIM	matrix spike dup	5/14/2020	Nutrient	Ammonia as N	n/a	=	0.271	mg/L	EPA 350.1	0.012	0.1			
2019/20-5	MO-SIM	matrix spike dup, rec	5/14/2020	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2019/20-5	MO-SIM	matrix spike, RPD	5/14/2020	Nutrient	Ammonia as N	n/a	=	0.7	%	EPA 350.1	-88	-88	0	15	
2019/20-5	000NONPJ	matrix spike	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	6.51	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike, rec	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	6.51	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	9.73	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	9.7	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0.3	%	EPA 353.2	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	5.99	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	6.09	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	110	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	6.82	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	6.83	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0.1	%	EPA 353.2	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	1.98	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	1.98	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-5	000NONPJ	lab duplicate	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	3.15	mg/L	EPA 353.2	0.036	0.2		20	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	8.38	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	8.39	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0.1	%	EPA 353.2	-88	-88	0	20	
2019/20-5	Lab	method blank	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	<	0.036	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	Lab	LCS	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	1.03	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	Lab	LCS, rec	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	103	%	EPA 353.2	-88	-88	90	110	
2019/20-5	Lab	method blank	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	<	0.036	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	Lab	LCS	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	1.06	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	Lab	LCS, rec	5/5/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2019/20-5	Lab	method blank	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	<	0.036	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	Lab	LCS	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0.994	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	Lab	LCS, rec	5/13/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-5	Lab	method blank	5/14/2020	Nutrient	Nitrate + Nitrite as N	n/a	<	0.036	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	Lab	LCS	5/14/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0.982	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	Lab	LCS, rec	5/14/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-5	MO-FIL	matrix spike	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	3.71	mg/L	EPA 353.2	0.036	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-FIL	matrix spike, rec	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-5	MO-FIL	matrix spike dup	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	3.71	mg/L	EPA 353.2	0.036	0.2			
2019/20-5	MO-FIL	matrix spike dup, rec	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-5	MO-FIL	matrix spike, RPD	4/29/2020	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Nutrient	Nitrate as N	n/a	=	6.82	mg/L	EPA 353.2	0.04	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Nutrient	Nitrate as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Nutrient	Nitrate as N	n/a	=	6.83	mg/L	EPA 353.2	0.04	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Nutrient	Nitrate as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Nutrient	Nitrate as N	n/a	=	0.1	%	EPA 353.2	-88	-88	0	20	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Nutrient	Nitrate as N	n/a	=	1.98	mg/L	EPA 353.2	0.04	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Nutrient	Nitrate as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Nutrient	Nitrate as N	n/a	=	1.98	mg/L	EPA 353.2	0.04	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Nutrient	Nitrate as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Nutrient	Nitrate as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-5	000NONPJ	lab duplicate	5/13/2020	Nutrient	Nitrate as N	n/a	=	3.15	mg/L	EPA 353.2	0.04	0.2		20	
2019/20-5	Lab	method blank	5/13/2020	Nutrient	Nitrate as N	n/a	<	0.04	mg/L	EPA 353.2	0.04	0.2			
2019/20-5	Lab	LCS	5/13/2020	Nutrient	Nitrate as N	n/a	=	0.994	mg/L	EPA 353.2	0.04	0.2			
2019/20-5	Lab	LCS, rec	5/13/2020	Nutrient	Nitrate as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Nutrient	Phosphorus as P	Dissolved	=	1.16	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Nutrient	Phosphorus as P	Dissolved	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Nutrient	Phosphorus as P	Dissolved	=	1.16	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Nutrient	Phosphorus as P	Dissolved	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Nutrient	Phosphorus as P	Dissolved	=	0.5	%	EPA 200.7	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS	5/4/2020	Nutrient	Phosphorus as P	Dissolved	=	1.14	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS, rec	5/4/2020	Nutrient	Phosphorus as P	Dissolved	=	114	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS	5/6/2020	Nutrient	Phosphorus as P	Dissolved	=	1.08	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS, rec	5/6/2020	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS	5/19/2020	Nutrient	Phosphorus as P	Dissolved	=	1.08	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS, rec	5/19/2020	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Nutrient	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS	5/22/2020	Nutrient	Phosphorus as P	Dissolved	=	1.08	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS, rec	5/22/2020	Nutrient	Phosphorus as P	Dissolved	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-5	ME-CC	matrix spike	5/19/2020	Nutrient	Phosphorus as P	Dissolved	=	4	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	ME-CC	matrix spike, rec	5/19/2020	Nutrient	Phosphorus as P	Dissolved	=	115	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike dup	5/19/2020	Nutrient	Phosphorus as P	Dissolved	=	4.04	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	ME-CC	matrix spike dup, rec	5/19/2020	Nutrient	Phosphorus as P	Dissolved	=	119	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike, RPD	5/19/2020	Nutrient	Phosphorus as P	Dissolved	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike dup	5/4/2020	Nutrient	Phosphorus as P	Dissolved	=	1.27	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	MO-FIL	matrix spike dup, rec	5/4/2020	Nutrient	Phosphorus as P	Dissolved	=	115	%	EPA 200.7	-88	-88	70	130	
2019/20-5	MO-FIL	matrix spike, RPD	5/4/2020	Nutrient	Phosphorus as P	Dissolved	=	0.5	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike	5/4/2020	Nutrient	Phosphorus as P	Dissolved	=	1.28	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	MO-FIL	matrix spike, rec	5/4/2020	Nutrient	Phosphorus as P	Dissolved	=	116	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Nutrient	Phosphorus as P	Total	=	1.16	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Nutrient	Phosphorus as P	Total	=	111	%	EPA 200.7	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup	5/22/2020	Nutrient	Phosphorus as P	Total	=	1.16	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	000NONPJ	matrix spike dup, rec	5/22/2020	Nutrient	Phosphorus as P	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/22/2020	Nutrient	Phosphorus as P	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2019/20-5	Lab	method blank	5/4/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS	5/4/2020	Nutrient	Phosphorus as P	Total	=	1.14	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS, rec	5/4/2020	Nutrient	Phosphorus as P	Total	=	114	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/6/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS	5/6/2020	Nutrient	Phosphorus as P	Total	=	1.08	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS, rec	5/6/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/19/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS	5/19/2020	Nutrient	Phosphorus as P	Total	=	1.08	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS, rec	5/19/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-5	Lab	method blank	5/22/2020	Nutrient	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS	5/22/2020	Nutrient	Phosphorus as P	Total	=	1.08	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	Lab	LCS, rec	5/22/2020	Nutrient	Phosphorus as P	Total	=	108	%	EPA 200.7	-88	-88	85	115	
2019/20-5	ME-CC	matrix spike	5/19/2020	Nutrient	Phosphorus as P	Total	=	4	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	ME-CC	matrix spike, rec	5/19/2020	Nutrient	Phosphorus as P	Total	=	113	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike dup	5/19/2020	Nutrient	Phosphorus as P	Total	=	4.04	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	ME-CC	matrix spike dup, rec	5/19/2020	Nutrient	Phosphorus as P	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-CC	matrix spike, RPD	5/19/2020	Nutrient	Phosphorus as P	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	ME-VR2	matrix spike	5/6/2020	Nutrient	Phosphorus as P	Total	=	1.1	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	ME-VR2	matrix spike, rec	5/6/2020	Nutrient	Phosphorus as P	Total	=	110	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike dup	5/6/2020	Nutrient	Phosphorus as P	Total	=	1.11	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	ME-VR2	matrix spike dup, rec	5/6/2020	Nutrient	Phosphorus as P	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike, RPD	5/6/2020	Nutrient	Phosphorus as P	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike dup	5/4/2020	Nutrient	Phosphorus as P	Total	=	1.27	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	MO-FIL	matrix spike dup, rec	5/4/2020	Nutrient	Phosphorus as P	Total	=	114	%	EPA 200.7	-88	-88	70	130	
2019/20-5	MO-FIL	matrix spike, RPD	5/4/2020	Nutrient	Phosphorus as P	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2019/20-5	MO-FIL	matrix spike	5/4/2020	Nutrient	Phosphorus as P	Total	=	1.28	mg/L	EPA 200.7	0.012	0.02			
2019/20-5	MO-FIL	matrix spike, rec	5/4/2020	Nutrient	Phosphorus as P	Total	=	114	%	EPA 200.7	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/6/2020	Nutrient	TKN	n/a	=	1.1	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/6/2020	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/6/2020	Nutrient	TKN	n/a	=	1.11	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/6/2020	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/6/2020	Nutrient	TKN	n/a	=	0.8	%	EPA 351.2	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Nutrient	TKN	n/a	=	1.44	mg/L	EPA 351.2	0.018	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Nutrient	TKN	n/a	=	113	%	EPA 351.2	-88	-88	90	110	GB
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Nutrient	TKN	n/a	=	1.35	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Nutrient	TKN	n/a	=	6	%	EPA 351.2	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Nutrient	TKN	n/a	=	1.26	mg/L	EPA 351.2	0.018	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Nutrient	TKN	n/a	=	81	%	EPA 351.2	-88	-88	90	110	GB
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Nutrient	TKN	n/a	=	1.28	mg/L	EPA 351.2	0.018	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Nutrient	TKN	n/a	=	84	%	EPA 351.2	-88	-88	90	110	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/13/2020	Nutrient	TKN	n/a	=	1.29	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/13/2020	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup	5/13/2020	Nutrient	TKN	n/a	=	1.31	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/13/2020	Nutrient	TKN	n/a	=	100	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/13/2020	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Nutrient	TKN	n/a	=	1.22	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Nutrient	TKN	n/a	=	1.24	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Nutrient	TKN	n/a	=	1.12	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Nutrient	TKN	n/a	=	94	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Nutrient	TKN	n/a	=	1.15	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2019/20-5	000NONPJ	lab duplicate	5/15/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1		10	
2019/20-5	Lab	method blank	5/6/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS	5/6/2020	Nutrient	TKN	n/a	=	0.901	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS, rec	5/6/2020	Nutrient	TKN	n/a	=	90	%	EPA 351.2	-88	-88	90	110	
2019/20-5	Lab	method blank	5/11/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS	5/11/2020	Nutrient	TKN	n/a	=	0.978	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS, rec	5/11/2020	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	
2019/20-5	Lab	method blank	5/11/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS	5/11/2020	Nutrient	TKN	n/a	=	0.924	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS, rec	5/11/2020	Nutrient	TKN	n/a	=	92	%	EPA 351.2	-88	-88	90	110	
2019/20-5	Lab	method blank	5/13/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS	5/13/2020	Nutrient	TKN	n/a	=	1.07	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS, rec	5/13/2020	Nutrient	TKN	n/a	=	107	%	EPA 351.2	-88	-88	90	110	
2019/20-5	Lab	method blank	5/15/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS	5/15/2020	Nutrient	TKN	n/a	=	0.973	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS, rec	5/15/2020	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2019/20-5	Lab	method blank	5/15/2020	Nutrient	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS	5/15/2020	Nutrient	TKN	n/a	=	0.912	mg/L	EPA 351.2	0.018	0.1			
2019/20-5	Lab	LCS, rec	5/15/2020	Nutrient	TKN	n/a	=	91	%	EPA 351.2	-88	-88	90	110	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	14.5	µg/L	EPA 625.1	0.49	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	58	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	6	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	15.4	µg/L	EPA 625.1	0.49	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	62	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	20	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	80	%	EPA 625.1	-88	-88	57	130	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	20.7	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	83	%	EPA 625.1	-88	-88	57	130	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	14.3	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	1,2,4-Trichlorobenzene	n/a	=	57	%	EPA 625.1	-88	-88	57	130	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	1,2-Dichlorobenzene	n/a	=	14.9	µg/L	EPA 625.1	0.46	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	1,2-Dichlorobenzene	n/a	=	60	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	1,2-Dichlorobenzene	n/a	=	12	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	1,2-Dichlorobenzene	n/a	=	16.7	µg/L	EPA 625.1	0.46	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	1,2-Dichlorobenzene	n/a	=	67	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	20.9	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	84	%	EPA 625.1	-88	-88	57	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	22.4	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	90	%	EPA 625.1	-88	-88	57	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	1,2-Dichlorobenzene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	1,2-Dichlorobenzene	n/a	=	15.2	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	1,2-Dichlorobenzene	n/a	=	61	%	EPA 625.1	-88	-88	57	120	
2019/20-5	Lab	method blank	5/13/2020	Organic	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	1,3-Dichlorobenzene	n/a	=	14	µg/L	EPA 625.1	0.42	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	1,3-Dichlorobenzene	n/a	=	56	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	1,3-Dichlorobenzene	n/a	=	12	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	1,3-Dichlorobenzene	n/a	=	15.7	µg/L	EPA 625.1	0.42	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	1,3-Dichlorobenzene	n/a	=	63	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625.1	0.42	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	78	%	EPA 625.1	-88	-88	55	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	21.1	µg/L	EPA 625.1	0.42	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	84	%	EPA 625.1	-88	-88	55	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	1,3-Dichlorobenzene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	1,3-Dichlorobenzene	n/a	=	14.3	µg/L	EPA 625.1	0.42	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	1,3-Dichlorobenzene	n/a	=	57	%	EPA 625.1	-88	-88	55	120	
2019/20-5	000NONPJ	srgt matrix spike	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.416	µg/L	EPA 525.2m	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	000NONPJ	srgt matrix spike dup	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.426	µg/L	EPA 525.2m	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	000NONPJ	srgt matrix spike	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.32	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.35	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.458	µg/L	EPA 525.2m	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	000NONPJ	srgt matrix spike	5/15/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.445	µg/L	EPA 525.2m	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/15/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	000NONPJ	srgt matrix spike	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.98	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.5	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	srgt LCS	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.31	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS dup	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.55	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.424	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	Lab	srgt LCS	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.45	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	Lab	srgt method blank	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.54	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.42	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.444	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	Lab	srgt LCS	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.441	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	Lab	srgt method blank	5/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.94	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	5/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/20/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	6/11/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.515	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt LCS, rec	6/11/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	Lab	srgt method blank	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.548	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt method blank, rec	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	110	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	ME-CC	srgt environ	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.11	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2019/20-5	ME-CC	srgt matrix spike	6/11/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.519	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-CC	srgt matrix spike, rec	6/11/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	ME-CC	srgt matrix spike dup	6/11/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.52	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-CC	srgt matrix spike dup, rec	6/11/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	ME-CC	srgt environ	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.516	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	ME-SCR	srgt environ	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2019/20-5	ME-SCR	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.62	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	ME-VR2	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.3	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	ME-VR2	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.6	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-CAM	srgt environ	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.27	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-CAM	srgt environ	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.576	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	115	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	MO-FIL	srgt environ	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.68	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-FIL	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.55	µg/L	EPA 525.2m	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-FIL	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	MO-HUE	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.76	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	MO-HUE	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	24	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-MPK	srgt environ	5/15/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.78	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	5/15/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-MPK	srgt environ	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.588	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	118	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	MO-OJA	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.85	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	MO-OJA	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.36	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-OXN	srgt environ	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.47	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-OXN	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	71.4	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	MO-OXN	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	1430	%	EPA 525.2m	-88	-88	76	128	GN
2019/20-5	MO-SIM	srgt environ	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-SIM	srgt environ	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.523	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	MO-SPA	srgt environ	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.44	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-SPA	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.418	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	84	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	MO-THO	srgt environ	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.05	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/21/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-THO	srgt environ	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.542	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	6/12/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	MO-VEN	srgt environ	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.74	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	4/30/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-VEN	srgt environ	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.32	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/14/2020	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	1,4-Dichlorobenzene	n/a	=	14	µg/L	EPA 625.1	0.48	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	1,4-Dichlorobenzene	n/a	=	56	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	1,4-Dichlorobenzene	n/a	=	11	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	1,4-Dichlorobenzene	n/a	=	15.7	µg/L	EPA 625.1	0.48	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	1,4-Dichlorobenzene	n/a	=	63	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	19.6	µg/L	EPA 625.1	0.48	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	78	%	EPA 625.1	-88	-88	55	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	20.9	µg/L	EPA 625.1	0.48	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	84	%	EPA 625.1	-88	-88	55	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	1,4-Dichlorobenzene	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	1,4-Dichlorobenzene	n/a	=	14.4	µg/L	EPA 625.1	0.48	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	1,4-Dichlorobenzene	n/a	=	58	%	EPA 625.1	-88	-88	55	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/8/2020	Organic	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1			
2019/20-5	Lab	method blank	5/21/2020	Organic	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1			
2019/20-5	Lab	method blank	5/8/2020	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1			
2019/20-5	000NONPJ	srgt matrix spike dup	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	35	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	34.9	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.56	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 8270C	-88	-88	26	117	
2019/20-5	Lab	srgt LCS	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.69	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270C	-88	-88	26	117	
2019/20-5	Lab	srgt LCS dup	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.89	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2019/20-5	Lab	srgt LCS	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	42.7	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625.1	-88	-88	25	120	
2019/20-5	Lab	srgt LCS dup	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	43.3	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625.1	-88	-88	25	120	
2019/20-5	Lab	srgt method blank	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	5.49	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	55	%	EPA 625.1	-88	-88	25	120	
2019/20-5	Lab	srgt method blank	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	0	%	EPA 8270C	-88	-88	26	117	GN
2019/20-5	Lab	srgt LCS	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS, rec	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	0	%	EPA 8270C	-88	-88	26	117	GN
2019/20-5	Lab	srgt LCS dup	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS dup, rec	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	0	%	EPA 8270C	-88	-88	26	117	GN
2019/20-5	Lab	srgt method blank	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	<	0	µg/L	EPA 625.1	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	0	%	EPA 625.1	-88	-88	25	120	GN
2019/20-5	Lab	srgt LCS	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	33.5	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	67	%	EPA 625.1	-88	-88	25	120	
2019/20-5	ME-CC	srgt environ	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	4.62	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	46	%	EPA 8270C	-88	-88	26	117	
2019/20-5	ME-CC	srgt environ	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	5.12	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	51	%	EPA 625.1	-88	-88	25	120	
2019/20-5	ME-SCR	srgt environ	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.69	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270C	-88	-88	26	117	
2019/20-5	ME-SCR	srgt environ	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.19	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625.1	-88	-88	25	120	
2019/20-5	ME-VR2	srgt environ	5/9/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.35	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/9/2020	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270C	-88	-88	26	117	
2019/20-5	ME-VR2	srgt environ	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.15	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-CAM	srgt environ	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	4.32	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	43	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-CAM	srgt environ	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	4.27	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	43	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-FIL	srgt environ	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.93	µg/L	EPA 8270C	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-FIL	srgt environ, rec	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-FIL	srgt environ	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.34	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-HUE	srgt environ	5/9/2020	Organic	2,4,6-Tribromophenol	n/a	=	8.42	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/9/2020	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-HUE	srgt environ	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.2	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-OJA	srgt environ	5/9/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.77	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/9/2020	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-OJA	srgt environ	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.33	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-OXN	srgt environ	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.48	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-OXN	srgt environ	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.51	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-SIM	srgt environ	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.2	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-SIM	srgt environ	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.31	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	63	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-SPA	srgt environ	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.04	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-SPA	srgt environ	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	7.44	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-THO	srgt environ	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.12	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/22/2020	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-THO	srgt environ	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	6.06	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/29/2020	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 625.1	-88	-88	25	120	
2019/20-5	MO-VEN	srgt environ	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	5.59	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/8/2020	Organic	2,4,6-Tribromophenol	n/a	=	56	%	EPA 8270C	-88	-88	26	117	
2019/20-5	MO-VEN	srgt environ	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	5.3	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/13/2020	Organic	2,4,6-Tribromophenol	n/a	=	53	%	EPA 625.1	-88	-88	25	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2,4,6-Trichlorophenol	n/a	=	15.5	µg/L	EPA 625.1	0.22	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2,4,6-Trichlorophenol	n/a	=	62	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2,4,6-Trichlorophenol	n/a	=	1	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2,4,6-Trichlorophenol	n/a	=	15.7	µg/L	EPA 625.1	0.22	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2,4,6-Trichlorophenol	n/a	=	63	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-5	Lab	LCS	5/8/2020	Organic	2,4,6-Trichlorophenol	n/a	=	7.42	µg/L	EPA 8270C	0.3	1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 8270C	-88	-88	30	115	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	2,4,6-Trichlorophenol	n/a	=	8.58	µg/L	EPA 8270C	0.3	1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	2,4,6-Trichlorophenol	n/a	=	86	%	EPA 8270C	-88	-88	30	115	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	2,4,6-Trichlorophenol	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	21.2	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	85	%	EPA 625.1	-88	-88	52	129	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	21.5	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	86	%	EPA 625.1	-88	-88	52	129	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2,4,6-Trichlorophenol	n/a	=	2	%	EPA 625.1	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/13/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-5	Lab	LCS	5/22/2020	Organic	2,4,6-Trichlorophenol	n/a	=	7.49	µg/L	EPA 8270C	0.3	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 8270C	-88	-88	30	115	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	2,4,6-Trichlorophenol	n/a	=	7.65	µg/L	EPA 8270C	0.3	1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	2,4,6-Trichlorophenol	n/a	=	77	%	EPA 8270C	-88	-88	30	115	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	2,4,6-Trichlorophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	2,4,6-Trichlorophenol	n/a	=	14.5	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2,4,6-Trichlorophenol	n/a	=	58	%	EPA 625.1	-88	-88	52	129	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2,4-Dichlorophenol	n/a	=	16.1	µg/L	EPA 625.1	0.26	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2,4-Dichlorophenol	n/a	=	64	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2,4-Dichlorophenol	n/a	=	3	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2,4-Dichlorophenol	n/a	=	16.6	µg/L	EPA 625.1	0.26	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2,4-Dichlorophenol	n/a	=	66	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2019/20-5	Lab	LCS	5/8/2020	Organic	2,4-Dichlorophenol	n/a	=	7	µg/L	EPA 8270C	0.51	1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	2,4-Dichlorophenol	n/a	=	70	%	EPA 8270C	-88	-88	32	105	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	2,4-Dichlorophenol	n/a	=	8.37	µg/L	EPA 8270C	0.51	1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	2,4-Dichlorophenol	n/a	=	84	%	EPA 8270C	-88	-88	32	105	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	2,4-Dichlorophenol	n/a	=	18	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	2,4-Dichlorophenol	n/a	=	21	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2,4-Dichlorophenol	n/a	=	84	%	EPA 625.1	-88	-88	53	122	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2,4-Dichlorophenol	n/a	=	21.4	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2,4-Dichlorophenol	n/a	=	86	%	EPA 625.1	-88	-88	53	122	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2,4-Dichlorophenol	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1			
2019/20-5	Lab	LCS	5/22/2020	Organic	2,4-Dichlorophenol	n/a	=	7.52	µg/L	EPA 8270C	0.51	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	2,4-Dichlorophenol	n/a	=	75	%	EPA 8270C	-88	-88	32	105	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	2,4-Dichlorophenol	n/a	=	7.66	µg/L	EPA 8270C	0.51	1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	2,4-Dichlorophenol	n/a	=	77	%	EPA 8270C	-88	-88	32	105	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	2,4-Dichlorophenol	n/a	=	2	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	2,4-Dichlorophenol	n/a	=	15.2	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2,4-Dichlorophenol	n/a	=	61	%	EPA 625.1	-88	-88	53	122	
2019/20-5	000NONPJ	srgt matrix spike	5/1/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.4	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/1/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/1/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.4	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/1/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.4	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.4	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike	5/22/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.4	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/22/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.4	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	5/1/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.57	µg/L	EPA 515.4	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/1/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	5/1/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.4	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/1/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.49	µg/L	EPA 515.4	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.4	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	5/22/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.92	µg/L	EPA 515.4	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/22/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	5/22/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.4	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/22/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.4	-88	-88	70	130	
2019/20-5	ME-CC	srgt environ	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.55	µg/L	EPA 515.4	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	86	%	EPA 515.4	-88	-88	70	130	
2019/20-5	ME-SCR	srgt environ	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.48	µg/L	EPA 515.4	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	ME-VR2	srgt environ	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.27	µg/L	EPA 515.4	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-CAM	srgt environ	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.96	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-FIL	srgt environ	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.19	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-HUE	srgt environ	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.46	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-MPK	srgt environ	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.5	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	115	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-OJA	srgt environ	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.99	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/15/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-OXN	srgt environ	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	110	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-SIM	srgt environ	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.41	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-SPA	srgt environ	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-THO	srgt environ	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/23/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-5	MO-VEN	srgt environ	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.4	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/2/2020	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2,4-Dimethylphenol	n/a	=	16.4	µg/L	EPA 625.1	0.3	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2,4-Dimethylphenol	n/a	=	66	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2,4-Dimethylphenol	n/a	=	45	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2,4-Dimethylphenol	n/a	=	10.4	µg/L	EPA 625.1	0.3	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2,4-Dimethylphenol	n/a	=	42	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS	5/8/2020	Organic	2,4-Dimethylphenol	n/a	=	6.09	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	2,4-Dimethylphenol	n/a	=	61	%	EPA 8270C	-88	-88	31	97	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	2,4-Dimethylphenol	n/a	=	6.03	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	2,4-Dimethylphenol	n/a	=	60	%	EPA 8270C	-88	-88	31	97	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	2,4-Dimethylphenol	n/a	=	1	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	2,4-Dimethylphenol	n/a	=	11.5	µg/L	EPA 625.1	0.3	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2,4-Dimethylphenol	n/a	=	46	%	EPA 625.1	-88	-88	42	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2,4-Dimethylphenol	n/a	=	12.4	µg/L	EPA 625.1	0.3	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2,4-Dimethylphenol	n/a	=	50	%	EPA 625.1	-88	-88	42	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2,4-Dimethylphenol	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS	5/22/2020	Organic	2,4-Dimethylphenol	n/a	=	6.73	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	2,4-Dimethylphenol	n/a	=	67	%	EPA 8270C	-88	-88	31	97	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	2,4-Dimethylphenol	n/a	=	6.26	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	2,4-Dimethylphenol	n/a	=	63	%	EPA 8270C	-88	-88	31	97	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	2,4-Dimethylphenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	2,4-Dimethylphenol	n/a	=	8.72	µg/L	EPA 625.1	0.3	1			EUM
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2,4-Dimethylphenol	n/a	=	35	%	EPA 625.1	-88	-88	42	120	EUM
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2,4-Dinitrophenol	n/a	=	27	µg/L	EPA 625.1	1.9	10			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2,4-Dinitrophenol	n/a	=	108	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2,4-Dinitrophenol	n/a	=	2	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2,4-Dinitrophenol	n/a	=	27.5	µg/L	EPA 625.1	1.9	10			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2,4-Dinitrophenol	n/a	=	110	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS	5/8/2020	Organic	2,4-Dinitrophenol	n/a	=	9.22	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	2,4-Dinitrophenol	n/a	=	92	%	EPA 8270C	-88	-88	7	155	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	2,4-Dinitrophenol	n/a	=	10.2	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	2,4-Dinitrophenol	n/a	=	102	%	EPA 8270C	-88	-88	7	155	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	2,4-Dinitrophenol	n/a	=	10	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	2,4-Dinitrophenol	n/a	=	32.6	µg/L	EPA 625.1	1.9	10			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2,4-Dinitrophenol	n/a	=	130	%	EPA 625.1	-88	-88	0.1	173	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2,4-Dinitrophenol	n/a	=	33.1	µg/L	EPA 625.1	1.9	10			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2,4-Dinitrophenol	n/a	=	133	%	EPA 625.1	-88	-88	0.1	173	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2,4-Dinitrophenol	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10			
2019/20-5	Lab	method blank	5/22/2020	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS	5/22/2020	Organic	2,4-Dinitrophenol	n/a	=	9.05	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	2,4-Dinitrophenol	n/a	=	91	%	EPA 8270C	-88	-88	7	155	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	2,4-Dinitrophenol	n/a	=	8.55	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	2,4-Dinitrophenol	n/a	=	85	%	EPA 8270C	-88	-88	7	155	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	2,4-Dinitrophenol	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10			
2019/20-5	Lab	LCS	5/29/2020	Organic	2,4-Dinitrophenol	n/a	=	26.6	µg/L	EPA 625.1	1.9	10			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2,4-Dinitrophenol	n/a	=	106	%	EPA 625.1	-88	-88	0.1	173	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2,4-Dinitrotoluene	n/a	=	19.4	µg/L	EPA 625.1	0.18	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2,4-Dinitrotoluene	n/a	=	78	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2,4-Dinitrotoluene	n/a	=	1	%	EPA 625.1	-88	-88	0		

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2,4-Dinitrotoluene	n/a	=	19.2	µg/L	EPA 625.1	0.18	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2,4-Dinitrotoluene	n/a	=	77	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	23.1	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	92	%	EPA 625.1	-88	-88	48	127	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	23.3	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	93	%	EPA 625.1	-88	-88	48	127	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2,4-Dinitrotoluene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	2,4-Dinitrotoluene	n/a	=	20.2	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2,4-Dinitrotoluene	n/a	=	81	%	EPA 625.1	-88	-88	48	127	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2,6-Dinitrotoluene	n/a	=	14.6	µg/L	EPA 625.1	0.27	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2,6-Dinitrotoluene	n/a	=	58	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2,6-Dinitrotoluene	n/a	=	4	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2,6-Dinitrotoluene	n/a	=	15.3	µg/L	EPA 625.1	0.27	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2,6-Dinitrotoluene	n/a	=	61	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	18.4	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	74	%	EPA 625.1	-88	-88	68	137	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	18.3	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	73	%	EPA 625.1	-88	-88	68	137	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2,6-Dinitrotoluene	n/a	=	0.8	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	2,6-Dinitrotoluene	n/a	=	14.8	µg/L	EPA 625.1	0.27	1			EUM
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2,6-Dinitrotoluene	n/a	=	59	%	EPA 625.1	-88	-88	68	137	EUM
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2-Chloronaphthalene	n/a	=	14.4	µg/L	EPA 625.1	0.45	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2-Chloronaphthalene	n/a	=	58	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2-Chloronaphthalene	n/a	=	3	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2-Chloronaphthalene	n/a	=	14.9	µg/L	EPA 625.1	0.45	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2-Chloronaphthalene	n/a	=	60	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	2-Chloronaphthalene	n/a	=	20.7	µg/L	EPA 625.1	0.45	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2-Chloronaphthalene	n/a	=	83	%	EPA 625.1	-88	-88	65	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2-Chloronaphthalene	n/a	=	21.1	µg/L	EPA 625.1	0.45	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2-Chloronaphthalene	n/a	=	85	%	EPA 625.1	-88	-88	65	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2-Chloronaphthalene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	2-Chloronaphthalene	n/a	=	14.1	µg/L	EPA 625.1	0.45	1			EUM
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2-Chloronaphthalene	n/a	=	56	%	EPA 625.1	-88	-88	65	120	EUM
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2-Chlorophenol	n/a	=	14.7	µg/L	EPA 625.1	0.28	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2-Chlorophenol	n/a	=	59	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2-Chlorophenol	n/a	=	9	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2-Chlorophenol	n/a	=	16.1	µg/L	EPA 625.1	0.28	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2-Chlorophenol	n/a	=	64	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2019/20-5	Lab	LCS	5/8/2020	Organic	2-Chlorophenol	n/a	=	6.91	µg/L	EPA 8270C	0.65	1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	2-Chlorophenol	n/a	=	69	%	EPA 8270C	-88	-88	27	90	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	2-Chlorophenol	n/a	=	8.39	µg/L	EPA 8270C	0.65	1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	2-Chlorophenol	n/a	=	84	%	EPA 8270C	-88	-88	27	90	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	2-Chlorophenol	n/a	=	19	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	2-Chlorophenol	n/a	=	19.1	µg/L	EPA 625.1	0.28	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2-Chlorophenol	n/a	=	77	%	EPA 625.1	-88	-88	36	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2-Chlorophenol	n/a	=	20.4	µg/L	EPA 625.1	0.28	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2-Chlorophenol	n/a	=	82	%	EPA 625.1	-88	-88	36	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2-Chlorophenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1			
2019/20-5	Lab	LCS	5/22/2020	Organic	2-Chlorophenol	n/a	=	7.35	µg/L	EPA 8270C	0.65	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	2-Chlorophenol	n/a	=	74	%	EPA 8270C	-88	-88	27	90	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	2-Chlorophenol	n/a	=	7.55	µg/L	EPA 8270C	0.65	1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	2-Chlorophenol	n/a	=	76	%	EPA 8270C	-88	-88	27	90	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	2-Chlorophenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	2-Chlorophenol	n/a	=	14.7	µg/L	EPA 625.1	0.28	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2-Chlorophenol	n/a	=	59	%	EPA 625.1	-88	-88	36	120	
2019/20-5	000NONPJ	srgt matrix spike dup	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	15.2	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	15.5	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	62	%	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	3.93	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 8270C	-88	-88	51	139	
2019/20-5	Lab	srgt LCS	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.04	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	81	%	EPA 8270C	-88	-88	51	139	
2019/20-5	Lab	srgt LCS dup	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.6	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	92	%	EPA 8270C	-88	-88	51	139	
2019/20-5	Lab	srgt LCS	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	21.6	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625.1	-88	-88	22	120	
2019/20-5	Lab	srgt LCS dup	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	21.7	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625.1	-88	-88	22	120	
2019/20-5	Lab	srgt method blank	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.45	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625.1	-88	-88	22	120	
2019/20-5	Lab	srgt method blank	5/21/2020	Organic	2-Fluorobiphenyl	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/21/2020	Organic	2-Fluorobiphenyl	n/a	=	0	%	EPA 8270C	-88	-88	51	139	GN
2019/20-5	Lab	srgt LCS	5/21/2020	Organic	2-Fluorobiphenyl	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS, rec	5/21/2020	Organic	2-Fluorobiphenyl	n/a	=	0	%	EPA 8270C	-88	-88	51	139	GN
2019/20-5	Lab	srgt LCS dup	5/22/2020	Organic	2-Fluorobiphenyl	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS dup, rec	5/22/2020	Organic	2-Fluorobiphenyl	n/a	=	0	%	EPA 8270C	-88	-88	51	139	GN
2019/20-5	Lab	srgt method blank	5/29/2020	Organic	2-Fluorobiphenyl	n/a	<	0	µg/L	EPA 625.1	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	0	%	EPA 625.1	-88	-88	22	120	GN
2019/20-5	Lab	srgt LCS	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	14.3	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 625.1	-88	-88	22	120	
2019/20-5	ME-CC	srgt environ	5/22/2020	Organic	2-Fluorobiphenyl	n/a	=	2.66	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/22/2020	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2019/20-5	ME-CC	srgt environ	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	2.57	µg/L	EPA 625.1	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-CC	srgt environ, rec	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	51	%	EPA 625.1	-88	-88	22	120	
2019/20-5	ME-SCR	srgt environ	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.3	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	86	%	EPA 8270C	-88	-88	51	139	
2019/20-5	ME-SCR	srgt environ	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.7	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625.1	-88	-88	22	120	
2019/20-5	ME-VR2	srgt environ	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.55	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	91	%	EPA 8270C	-88	-88	51	139	
2019/20-5	ME-VR2	srgt environ	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.79	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-CAM	srgt environ	5/21/2020	Organic	2-Fluorobiphenyl	n/a	=	1.92	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	MO-CAM	srgt environ, rec	5/21/2020	Organic	2-Fluorobiphenyl	n/a	=	38	%	EPA 8270C	-88	-88	51	139	GN
2019/20-5	MO-CAM	srgt environ	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	1.68	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	34	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-FIL	srgt environ	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.19	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 8270C	-88	-88	51	139	
2019/20-5	MO-FIL	srgt environ	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.55	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-HUE	srgt environ	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.31	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	86	%	EPA 8270C	-88	-88	51	139	
2019/20-5	MO-HUE	srgt environ	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.52	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-OJA	srgt environ	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.33	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 8270C	-88	-88	51	139	
2019/20-5	MO-OJA	srgt environ	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.57	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-OXN	srgt environ	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.51	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	90	%	EPA 8270C	-88	-88	51	139	
2019/20-5	MO-OXN	srgt environ	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.77	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-SIM	srgt environ	5/21/2020	Organic	2-Fluorobiphenyl	n/a	=	3.72	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/21/2020	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 8270C	-88	-88	51	139	
2019/20-5	MO-SIM	srgt environ	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	3.22	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-SPA	srgt environ	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	4.15	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 8270C	-88	-88	51	139	
2019/20-5	MO-SPA	srgt environ	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	3.55	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-THO	srgt environ	5/21/2020	Organic	2-Fluorobiphenyl	n/a	=	3.39	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/21/2020	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 8270C	-88	-88	51	139	
2019/20-5	MO-THO	srgt environ	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	2.89	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/29/2020	Organic	2-Fluorobiphenyl	n/a	=	58	%	EPA 625.1	-88	-88	22	120	
2019/20-5	MO-VEN	srgt environ	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	2.67	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/8/2020	Organic	2-Fluorobiphenyl	n/a	=	53	%	EPA 8270C	-88	-88	51	139	
2019/20-5	MO-VEN	srgt environ	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	2.24	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/13/2020	Organic	2-Fluorobiphenyl	n/a	=	45	%	EPA 625.1	-88	-88	22	120	
2019/20-5	000NONPJ	srgt matrix spike dup	5/29/2020	Organic	2-Fluorophenol	n/a	=	22	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/29/2020	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625.1	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	srgt matrix spike	5/29/2020	Organic	2-Fluorophenol	n/a	=	24.8	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/29/2020	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank	5/8/2020	Organic	2-Fluorophenol	n/a	=	5.79	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/8/2020	Organic	2-Fluorophenol	n/a	=	58	%	EPA 8270C	-88	-88	11	62	
2019/20-5	Lab	srgt LCS	5/8/2020	Organic	2-Fluorophenol	n/a	=	5.53	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/8/2020	Organic	2-Fluorophenol	n/a	=	55	%	EPA 8270C	-88	-88	11	62	
2019/20-5	Lab	srgt LCS dup	5/8/2020	Organic	2-Fluorophenol	n/a	=	6.56	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS dup, rec	5/8/2020	Organic	2-Fluorophenol	n/a	=	66	%	EPA 8270C	-88	-88	11	62	GN
2019/20-5	Lab	srgt LCS	5/13/2020	Organic	2-Fluorophenol	n/a	=	29.9	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	60	%	EPA 625.1	-88	-88	17	120	
2019/20-5	Lab	srgt LCS dup	5/13/2020	Organic	2-Fluorophenol	n/a	=	32.6	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	65	%	EPA 625.1	-88	-88	17	120	
2019/20-5	Lab	srgt method blank	5/13/2020	Organic	2-Fluorophenol	n/a	=	4.77	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625.1	-88	-88	17	120	
2019/20-5	Lab	srgt method blank	5/22/2020	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/22/2020	Organic	2-Fluorophenol	n/a	=	0	%	EPA 8270C	-88	-88	11	62	GN
2019/20-5	Lab	srgt LCS	5/22/2020	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS, rec	5/22/2020	Organic	2-Fluorophenol	n/a	=	0	%	EPA 8270C	-88	-88	11	62	GN
2019/20-5	Lab	srgt LCS dup	5/22/2020	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS dup, rec	5/22/2020	Organic	2-Fluorophenol	n/a	=	0	%	EPA 8270C	-88	-88	11	62	GN
2019/20-5	Lab	srgt method blank	5/29/2020	Organic	2-Fluorophenol	n/a	<	0	µg/L	EPA 625.1	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/29/2020	Organic	2-Fluorophenol	n/a	=	0	%	EPA 625.1	-88	-88	17	120	GN
2019/20-5	Lab	srgt LCS	5/29/2020	Organic	2-Fluorophenol	n/a	=	22.3	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/29/2020	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625.1	-88	-88	17	120	
2019/20-5	ME-CC	srgt environ	5/22/2020	Organic	2-Fluorophenol	n/a	=	3.94	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/22/2020	Organic	2-Fluorophenol	n/a	=	39	%	EPA 8270C	-88	-88	11	62	
2019/20-5	ME-CC	srgt environ	5/29/2020	Organic	2-Fluorophenol	n/a	=	4.27	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/29/2020	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625.1	-88	-88	17	120	
2019/20-5	ME-SCR	srgt environ	5/8/2020	Organic	2-Fluorophenol	n/a	=	5.93	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/8/2020	Organic	2-Fluorophenol	n/a	=	59	%	EPA 8270C	-88	-88	11	62	
2019/20-5	ME-SCR	srgt environ	5/13/2020	Organic	2-Fluorophenol	n/a	=	5.48	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625.1	-88	-88	17	120	
2019/20-5	ME-VR2	srgt environ	5/9/2020	Organic	2-Fluorophenol	n/a	=	6.37	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	ME-VR2	srgt environ, rec	5/9/2020	Organic	2-Fluorophenol	n/a	=	64	%	EPA 8270C	-88	-88	11	62	GN
2019/20-5	ME-VR2	srgt environ	5/13/2020	Organic	2-Fluorophenol	n/a	=	5.92	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	59	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-CAM	srgt environ	5/22/2020	Organic	2-Fluorophenol	n/a	=	3.06	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/22/2020	Organic	2-Fluorophenol	n/a	=	31	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-CAM	srgt environ	5/29/2020	Organic	2-Fluorophenol	n/a	=	3.38	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/29/2020	Organic	2-Fluorophenol	n/a	=	34	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-FIL	srgt environ	5/8/2020	Organic	2-Fluorophenol	n/a	=	5.81	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/8/2020	Organic	2-Fluorophenol	n/a	=	58	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-FIL	srgt environ	5/13/2020	Organic	2-Fluorophenol	n/a	=	5.26	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-HUE	srgt environ	5/9/2020	Organic	2-Fluorophenol	n/a	=	5.93	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/9/2020	Organic	2-Fluorophenol	n/a	=	59	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-HUE	srgt environ	5/13/2020	Organic	2-Fluorophenol	n/a	=	5.52	µg/L	EPA 625.1	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-HUE	srgt environ, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-OJA	srgt environ	5/9/2020	Organic	2-Fluorophenol	n/a	=	6.19	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/9/2020	Organic	2-Fluorophenol	n/a	=	62	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-OJA	srgt environ	5/13/2020	Organic	2-Fluorophenol	n/a	=	5.67	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	57	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-OXN	srgt environ	5/8/2020	Organic	2-Fluorophenol	n/a	=	5.66	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/8/2020	Organic	2-Fluorophenol	n/a	=	57	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-OXN	srgt environ	5/13/2020	Organic	2-Fluorophenol	n/a	=	5.38	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	54	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-SIM	srgt environ	5/22/2020	Organic	2-Fluorophenol	n/a	=	4.75	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/22/2020	Organic	2-Fluorophenol	n/a	=	47	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-SIM	srgt environ	5/29/2020	Organic	2-Fluorophenol	n/a	=	5.06	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/29/2020	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-SPA	srgt environ	5/8/2020	Organic	2-Fluorophenol	n/a	=	5.69	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/8/2020	Organic	2-Fluorophenol	n/a	=	57	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-SPA	srgt environ	5/13/2020	Organic	2-Fluorophenol	n/a	=	5	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-THO	srgt environ	5/22/2020	Organic	2-Fluorophenol	n/a	=	4.49	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/22/2020	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-THO	srgt environ	5/29/2020	Organic	2-Fluorophenol	n/a	=	4.77	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/29/2020	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625.1	-88	-88	17	120	
2019/20-5	MO-VEN	srgt environ	5/8/2020	Organic	2-Fluorophenol	n/a	=	3.84	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/8/2020	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270C	-88	-88	11	62	
2019/20-5	MO-VEN	srgt environ	5/13/2020	Organic	2-Fluorophenol	n/a	=	3.62	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/13/2020	Organic	2-Fluorophenol	n/a	=	36	%	EPA 625.1	-88	-88	17	120	
2019/20-5	Lab	method blank	5/8/2020	Organic	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	method blank	5/21/2020	Organic	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	method blank	5/8/2020	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1			
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	2-Nitrophenol	n/a	=	16.7	µg/L	EPA 625.1	0.26	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	2-Nitrophenol	n/a	=	67	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	2-Nitrophenol	n/a	=	8	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	2-Nitrophenol	n/a	=	18	µg/L	EPA 625.1	0.26	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	2-Nitrophenol	n/a	=	72	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			
2019/20-5	Lab	LCS	5/8/2020	Organic	2-Nitrophenol	n/a	=	6.75	µg/L	EPA 8270C	0.71	1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	2-Nitrophenol	n/a	=	68	%	EPA 8270C	-88	-88	33	103	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	2-Nitrophenol	n/a	=	8.31	µg/L	EPA 8270C	0.71	1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	2-Nitrophenol	n/a	=	83	%	EPA 8270C	-88	-88	33	103	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	2-Nitrophenol	n/a	=	21	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	2-Nitrophenol	n/a	=	21.6	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	2-Nitrophenol	n/a	=	87	%	EPA 625.1	-88	-88	45	167	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	2-Nitrophenol	n/a	=	23	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	2-Nitrophenol	n/a	=	92	%	EPA 625.1	-88	-88	45	167	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	2-Nitrophenol	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/22/2020	Organic	2-Nitrophenol	n/a	=	7.42	µg/L	EPA 8270C	0.71	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	2-Nitrophenol	n/a	=	74	%	EPA 8270C	-88	-88	33	103	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	2-Nitrophenol	n/a	=	7.45	µg/L	EPA 8270C	0.71	1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	2-Nitrophenol	n/a	=	74	%	EPA 8270C	-88	-88	33	103	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	2-Nitrophenol	n/a	=	0.4	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	2-Nitrophenol	n/a	=	16.5	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	2-Nitrophenol	n/a	=	66	%	EPA 625.1	-88	-88	45	167	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	3,3'-Dichlorobenzidine	n/a	DNQ	0.439	µg/L	EPA 625.1	0	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	2	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	189	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	15.2	µg/L	EPA 625.1	0.99	5			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	61	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	17.6	µg/L	EPA 625.1	0.99	5			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	71	%	EPA 625.1	-88	-88	8	213	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	19.6	µg/L	EPA 625.1	0.99	5			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	78	%	EPA 625.1	-88	-88	8	213	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5			
2019/20-5	Lab	method blank	5/29/2020	Organic	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5			
2019/20-5	Lab	LCS	5/29/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	17.4	µg/L	EPA 625.1	0.99	5			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	3,3'-Dichlorobenzidine	n/a	=	70	%	EPA 625.1	-88	-88	8	213	
2019/20-5	Lab	method blank	5/8/2020	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1			
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	21.7	µg/L	EPA 625.1	1.4	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	87	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	1	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	22	µg/L	EPA 625.1	1.4	5			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	88	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2019/20-5	Lab	LCS	5/8/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7.29	µg/L	EPA 8270C	0.14	1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	73	%	EPA 8270C	-88	-88	33	118	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7.79	µg/L	EPA 8270C	0.14	1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	78	%	EPA 8270C	-88	-88	33	118	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26.2	µg/L	EPA 625.1	1.4	5			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	105	%	EPA 625.1	-88	-88	53	130	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26.9	µg/L	EPA 625.1	1.4	5			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	107	%	EPA 625.1	-88	-88	53	130	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5			
2019/20-5	Lab	method blank	5/22/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1			
2019/20-5	Lab	LCS	5/22/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7.38	µg/L	EPA 8270C	0.14	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	74	%	EPA 8270C	-88	-88	33	118	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6.77	µg/L	EPA 8270C	0.14	1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	68	%	EPA 8270C	-88	-88	33	118	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/29/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5			
2019/20-5	Lab	LCS	5/29/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	22.9	µg/L	EPA 625.1	1.4	5			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	4,6-Dinitro-2-methylphenol	n/a	=	92	%	EPA 625.1	-88	-88	53	130	
2019/20-5	Lab	srgt LCS	4/29/2020	Organic	4-Bromofluorobenzene	n/a	=	46.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt LCS, rec	4/29/2020	Organic	4-Bromofluorobenzene	n/a	=	93	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	Lab	srgt LCS dup	4/29/2020	Organic	4-Bromofluorobenzene	n/a	=	54.2	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	4/29/2020	Organic	4-Bromofluorobenzene	n/a	=	108	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	Lab	srgt method blank	4/30/2020	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt method blank, rec	4/30/2020	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	Lab	srgt LCS	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	49.4	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	99	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	Lab	srgt LCS dup	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	Lab	srgt method blank	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	50.8	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	Lab	srgt LCS	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	Lab	srgt LCS dup	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	49.8	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	Lab	srgt method blank	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	ME-CC	srgt environ	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	102	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	ME-SCR	srgt environ	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	ME-VR2	srgt environ	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	52.4	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	105	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	MO-CAM	srgt environ	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	50.7	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	101	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	MO-FIL	srgt environ	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	49.3	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	99	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	MO-HUE	srgt environ	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	92	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	MO-OJA	srgt environ	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	43.1	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/3/2020	Organic	4-Bromofluorobenzene	n/a	=	86	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	MO-SIM	srgt environ	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	MO-THO	srgt environ	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/17/2020	Organic	4-Bromofluorobenzene	n/a	=	100	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	MO-VEN	srgt environ	4/30/2020	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	LUFT GC/MS	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	4/30/2020	Organic	4-Bromofluorobenzene	n/a	=	94	%	LUFT GC/MS	-88	-88	83	110	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	15.9	µg/L	EPA 625.1	0.36	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	64	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	1	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	16.1	µg/L	EPA 625.1	0.36	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	64	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	20.8	µg/L	EPA 625.1	0.36	1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	83	%	EPA 625.1	-88	-88	65	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	21.2	µg/L	EPA 625.1	0.36	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	85	%	EPA 625.1	-88	-88	65	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	16	µg/L	EPA 625.1	0.36	1			EUM
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	4-Bromophenyl phenyl ether	n/a	=	64	%	EPA 625.1	-88	-88	65	120	EUM
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	4-Chloro-3-methylphenol	n/a	=	16.8	µg/L	EPA 625.1	0.23	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	4-Chloro-3-methylphenol	n/a	=	67	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	4-Chloro-3-methylphenol	n/a	=	3	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	4-Chloro-3-methylphenol	n/a	=	16.2	µg/L	EPA 625.1	0.23	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	4-Chloro-3-methylphenol	n/a	=	65	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2019/20-5	Lab	LCS	5/8/2020	Organic	4-Chloro-3-methylphenol	n/a	=	7.47	µg/L	EPA 8270C	0.37	1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	4-Chloro-3-methylphenol	n/a	=	75	%	EPA 8270C	-88	-88	29	108	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	4-Chloro-3-methylphenol	n/a	=	8.47	µg/L	EPA 8270C	0.37	1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	4-Chloro-3-methylphenol	n/a	=	85	%	EPA 8270C	-88	-88	29	108	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	4-Chloro-3-methylphenol	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	21.7	µg/L	EPA 625.1	0.23	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	87	%	EPA 625.1	-88	-88	41	128	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	22	µg/L	EPA 625.1	0.23	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	88	%	EPA 625.1	-88	-88	41	128	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	4-Chloro-3-methylphenol	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1			
2019/20-5	Lab	LCS	5/22/2020	Organic	4-Chloro-3-methylphenol	n/a	=	7.54	µg/L	EPA 8270C	0.37	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	4-Chloro-3-methylphenol	n/a	=	75	%	EPA 8270C	-88	-88	29	108	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	4-Chloro-3-methylphenol	n/a	=	7.77	µg/L	EPA 8270C	0.37	1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	4-Chloro-3-methylphenol	n/a	=	78	%	EPA 8270C	-88	-88	29	108	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	4-Chloro-3-methylphenol	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	4-Chloro-3-methylphenol	n/a	=	15	µg/L	EPA 625.1	0.23	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	4-Chloro-3-methylphenol	n/a	=	60	%	EPA 625.1	-88	-88	41	128	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	14.8	µg/L	EPA 625.1	0.41	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	59	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	2	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	14.5	µg/L	EPA 625.1	0.41	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	58	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.6	µg/L	EPA 625.1	0.41	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	79	%	EPA 625.1	-88	-88	38	145	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	20	µg/L	EPA 625.1	0.41	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	80	%	EPA 625.1	-88	-88	38	145	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	14.1	µg/L	EPA 625.1	0.41	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	4-Chlorophenyl phenyl ether	n/a	=	56	%	EPA 625.1	-88	-88	38	145	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	4-Nitrophenol	n/a	=	8.25	µg/L	EPA 625.1	1.2	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	4-Nitrophenol	n/a	=	33	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	4-Nitrophenol	n/a	=	1	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	4-Nitrophenol	n/a	=	8.38	µg/L	EPA 625.1	1.2	5			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS	5/8/2020	Organic	4-Nitrophenol	n/a	=	3.05	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	4-Nitrophenol	n/a	=	31	%	EPA 8270C	-88	-88	6	46	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	4-Nitrophenol	n/a	=	3.23	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	4-Nitrophenol	n/a	=	32	%	EPA 8270C	-88	-88	6	46	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	4-Nitrophenol	n/a	=	6	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	4-Nitrophenol	n/a	=	10.7	µg/L	EPA 625.1	1.2	5			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	4-Nitrophenol	n/a	=	43	%	EPA 625.1	-88	-88	13	129	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	4-Nitrophenol	n/a	=	10.9	µg/L	EPA 625.1	1.2	5			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	4-Nitrophenol	n/a	=	43	%	EPA 625.1	-88	-88	13	129	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	4-Nitrophenol	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5			
2019/20-5	Lab	method blank	5/22/2020	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS	5/22/2020	Organic	4-Nitrophenol	n/a	=	2.94	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	4-Nitrophenol	n/a	=	29	%	EPA 8270C	-88	-88	6	46	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	4-Nitrophenol	n/a	=	2.68	µg/L	EPA 8270C	1	2			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	4-Nitrophenol	n/a	=	27	%	EPA 8270C	-88	-88	6	46	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	4-Nitrophenol	n/a	=	9	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5			
2019/20-5	Lab	LCS	5/29/2020	Organic	4-Nitrophenol	n/a	=	8.53	µg/L	EPA 625.1	1.2	5			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625.1	-88	-88	13	129	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Acenaphthene	n/a	=	16.9	µg/L	EPA 625.1	0.38	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Acenaphthene	n/a	=	68	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Acenaphthene	n/a	=	0.9	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Acenaphthene	n/a	=	16.7	µg/L	EPA 625.1	0.38	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Acenaphthene	n/a	=	67	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Acenaphthene	n/a	=	7.82	µg/L	EPA 8270C	0.028	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Acenaphthene	n/a	=	78	%	EPA 8270C	-88	-88	11	122	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Acenaphthene	n/a	=	8.8	µg/L	EPA 8270C	0.028	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Acenaphthene	n/a	=	88	%	EPA 8270C	-88	-88	11	122	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Acenaphthene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Acenaphthene	n/a	=	22.2	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Acenaphthene	n/a	=	89	%	EPA 625.1	-88	-88	60	132	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Acenaphthene	n/a	=	22.9	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Acenaphthene	n/a	=	92	%	EPA 625.1	-88	-88	60	132	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Acenaphthene	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Acenaphthene	n/a	=	8.17	µg/L	EPA 8270C	0.028	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Acenaphthene	n/a	=	82	%	EPA 8270C	-88	-88	11	122	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Acenaphthene	n/a	=	7.23	µg/L	EPA 8270C	0.028	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Acenaphthene	n/a	=	72	%	EPA 8270C	-88	-88	11	122	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Acenaphthene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Acenaphthene	n/a	=	16.1	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Acenaphthene	n/a	=	64	%	EPA 625.1	-88	-88	60	132	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Acenaphthylene	n/a	=	15.1	µg/L	EPA 625.1	0.17	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Acenaphthylene	n/a	=	60	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Acenaphthylene	n/a	=	4	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Acenaphthylene	n/a	=	15.7	µg/L	EPA 625.1	0.17	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Acenaphthylene	n/a	=	63	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Acenaphthylene	n/a	=	8.03	µg/L	EPA 8270C	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Acenaphthylene	n/a	=	80	%	EPA 8270C	-88	-88	4	135	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Acenaphthylene	n/a	=	9.17	µg/L	EPA 8270C	0.033	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Acenaphthylene	n/a	=	92	%	EPA 8270C	-88	-88	4	135	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Acenaphthylene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Acenaphthylene	n/a	=	21.3	µg/L	EPA 625.1	0.17	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Acenaphthylene	n/a	=	85	%	EPA 625.1	-88	-88	54	126	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Acenaphthylene	n/a	=	21.4	µg/L	EPA 625.1	0.17	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Acenaphthylene	n/a	=	86	%	EPA 625.1	-88	-88	54	126	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Acenaphthylene	n/a	=	0.3	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Acenaphthylene	n/a	=	7.8	µg/L	EPA 8270C	0.033	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Acenaphthylene	n/a	=	78	%	EPA 8270C	-88	-88	4	135	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Acenaphthylene	n/a	=	6.88	µg/L	EPA 8270C	0.033	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Acenaphthylene	n/a	=	69	%	EPA 8270C	-88	-88	4	135	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Acenaphthylene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Acenaphthylene	n/a	=	14.9	µg/L	EPA 625.1	0.17	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Acenaphthylene	n/a	=	60	%	EPA 625.1	-88	-88	54	126	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Anthracene	n/a	=	18.6	µg/L	EPA 625.1	0.12	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Anthracene	n/a	=	74	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Anthracene	n/a	=	3	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Anthracene	n/a	=	18.1	µg/L	EPA 625.1	0.12	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Anthracene	n/a	=	72	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Anthracene	n/a	=	8.87	µg/L	EPA 8270C	0.025	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Anthracene	n/a	=	89	%	EPA 8270C	-88	-88	22	127	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Anthracene	n/a	=	9.28	µg/L	EPA 8270C	0.025	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Anthracene	n/a	=	93	%	EPA 8270C	-88	-88	22	127	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Anthracene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Anthracene	n/a	=	20.9	µg/L	EPA 625.1	0.12	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Anthracene	n/a	=	84	%	EPA 625.1	-88	-88	43	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Anthracene	n/a	=	21.1	µg/L	EPA 625.1	0.12	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Anthracene	n/a	=	84	%	EPA 625.1	-88	-88	43	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Anthracene	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Anthracene	n/a	=	8.22	µg/L	EPA 8270C	0.025	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Anthracene	n/a	=	82	%	EPA 8270C	-88	-88	22	127	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Anthracene	n/a	=	7.36	µg/L	EPA 8270C	0.025	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Anthracene	n/a	=	74	%	EPA 8270C	-88	-88	22	127	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Anthracene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Anthracene	n/a	=	19.4	µg/L	EPA 625.1	0.12	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Anthracene	n/a	=	78	%	EPA 625.1	-88	-88	43	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Benz(a)anthracene	n/a	=	22.8	µg/L	EPA 625.1	0.19	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Benz(a)anthracene	n/a	=	91	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Benz(a)anthracene	n/a	=	8	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Benz(a)anthracene	n/a	=	21.1	µg/L	EPA 625.1	0.19	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Benz(a)anthracene	n/a	=	84	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Benz(a)anthracene	n/a	=	10.1	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Benz(a)anthracene	n/a	=	101	%	EPA 8270C	-88	-88	17	131	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Benz(a)anthracene	n/a	=	10.6	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Benz(a)anthracene	n/a	=	106	%	EPA 8270C	-88	-88	17	131	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Benz(a)anthracene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Benz(a)anthracene	n/a	=	24.5	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Benz(a)anthracene	n/a	=	98	%	EPA 625.1	-88	-88	42	133	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Benz(a)anthracene	n/a	=	27.4	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Benz(a)anthracene	n/a	=	110	%	EPA 625.1	-88	-88	42	133	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Benz(a)anthracene	n/a	=	11	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Benz(a)anthracene	n/a	=	6.35	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Benz(a)anthracene	n/a	=	64	%	EPA 8270C	-88	-88	17	131	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Benz(a)anthracene	n/a	=	5.64	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Benz(a)anthracene	n/a	=	56	%	EPA 8270C	-88	-88	17	131	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Benz(a)anthracene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Benz(a)anthracene	n/a	=	24.6	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Benz(a)anthracene	n/a	=	98	%	EPA 625.1	-88	-88	42	133	
2019/20-5	Lab	method blank	5/13/2020	Organic	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10			
2019/20-5	Lab	method blank	5/29/2020	Organic	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10			
2019/20-5	000NONPJ	matrix spike	5/14/2020	Organic	Benzo(a)pyrene	n/a	=	7.1	µg/L	EPA 525.2	0.07	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Organic	Benzo(a)pyrene	n/a	=	142	%	EPA 525.2	-88	-88	60	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Organic	Benzo(a)pyrene	n/a	=	7.09	µg/L	EPA 525.2	0.07	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Organic	Benzo(a)pyrene	n/a	=	142	%	EPA 525.2	-88	-88	60	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Organic	Benzo(a)pyrene	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Organic	Benzo(a)pyrene	n/a	=	5	µg/L	EPA 525.2	0.07	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Organic	Benzo(a)pyrene	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Organic	Benzo(a)pyrene	n/a	=	5.07	µg/L	EPA 525.2	0.07	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Organic	Benzo(a)pyrene	n/a	=	101	%	EPA 525.2	-88	-88	60	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Organic	Benzo(a)pyrene	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Benzo(a)pyrene	n/a	=	25.2	µg/L	EPA 625.1	0.39	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Benzo(a)pyrene	n/a	=	101	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Benzo(a)pyrene	n/a	=	1	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Benzo(a)pyrene	n/a	=	24.9	µg/L	EPA 625.1	0.39	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Benzo(a)pyrene	n/a	=	100	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	4/30/2020	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-5	Lab	LCS	4/30/2020	Organic	Benzo(a)pyrene	n/a	=	5.83	µg/L	EPA 525.2	0.07	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Organic	Benzo(a)pyrene	n/a	=	117	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	LCS dup	4/30/2020	Organic	Benzo(a)pyrene	n/a	=	6	µg/L	EPA 525.2	0.07	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Organic	Benzo(a)pyrene	n/a	=	120	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/8/2020	Organic	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Benzo(a)pyrene	n/a	=	9.17	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 8270C	-88	-88	12	131	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Benzo(a)pyrene	n/a	=	9.5	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Benzo(a)pyrene	n/a	=	95	%	EPA 8270C	-88	-88	12	131	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Benzo(a)pyrene	n/a	=	26.5	µg/L	EPA 625.1	0.39	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Benzo(a)pyrene	n/a	=	106	%	EPA 625.1	-88	-88	32	148	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Benzo(a)pyrene	n/a	=	26.5	µg/L	EPA 625.1	0.39	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Benzo(a)pyrene	n/a	=	106	%	EPA 625.1	-88	-88	32	148	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Benzo(a)pyrene	n/a	=	0.09	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1			
2019/20-5	Lab	method blank	5/14/2020	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-5	Lab	LCS	5/14/2020	Organic	Benzo(a)pyrene	n/a	=	5.98	µg/L	EPA 525.2	0.07	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Organic	Benzo(a)pyrene	n/a	=	120	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	method blank	5/20/2020	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-5	Lab	LCS	5/20/2020	Organic	Benzo(a)pyrene	n/a	=	4.79	µg/L	EPA 525.2	0.07	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Organic	Benzo(a)pyrene	n/a	=	96	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	method blank	5/21/2020	Organic	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Benzo(a)pyrene	n/a	=	9.19	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Benzo(a)pyrene	n/a	=	92	%	EPA 8270C	-88	-88	12	131	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Benzo(a)pyrene	n/a	=	7.9	µg/L	EPA 8270C	0.051	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Benzo(a)pyrene	n/a	=	79	%	EPA 8270C	-88	-88	12	131	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Benzo(a)pyrene	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Benzo(a)pyrene	n/a	=	28	µg/L	EPA 625.1	0.39	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Benzo(a)pyrene	n/a	=	112	%	EPA 625.1	-88	-88	32	148	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Benzo(b)fluoranthene	n/a	=	25.2	µg/L	EPA 625.1	0.46	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Benzo(b)fluoranthene	n/a	=	101	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Benzo(b)fluoranthene	n/a	=	5	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Benzo(b)fluoranthene	n/a	=	24	µg/L	EPA 625.1	0.46	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Benzo(b)fluoranthene	n/a	=	96	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.027	µg/L	EPA 8270C	0.027	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Benzo(b)fluoranthene	n/a	=	8.98	µg/L	EPA 8270C	0.027	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Benzo(b)fluoranthene	n/a	=	90	%	EPA 8270C	-88	-88	19	129	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Benzo(b)fluoranthene	n/a	=	9.39	µg/L	EPA 8270C	0.027	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Benzo(b)fluoranthene	n/a	=	94	%	EPA 8270C	-88	-88	19	129	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Benzo(b)fluoranthene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	26.7	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	107	%	EPA 625.1	-88	-88	42	140	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	26.5	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	106	%	EPA 625.1	-88	-88	42	140	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Benzo(b)fluoranthene	n/a	=	0.7	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.027	µg/L	EPA 8270C	0.027	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Benzo(b)fluoranthene	n/a	=	8.99	µg/L	EPA 8270C	0.027	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Benzo(b)fluoranthene	n/a	=	90	%	EPA 8270C	-88	-88	19	129	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Benzo(b)fluoranthene	n/a	=	7.78	µg/L	EPA 8270C	0.027	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Benzo(b)fluoranthene	n/a	=	78	%	EPA 8270C	-88	-88	19	129	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Benzo(b)fluoranthene	n/a	=	14	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Benzo(b)fluoranthene	n/a	=	27.1	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Benzo(b)fluoranthene	n/a	=	108	%	EPA 625.1	-88	-88	42	140	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Benzo(g,h,i)perylene	n/a	=	25	µg/L	EPA 625.1	0.42	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Benzo(g,h,i)perylene	n/a	=	100	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Benzo(g,h,i)perylene	n/a	=	24.3	µg/L	EPA 625.1	0.42	2			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Benzo(g,h,i)perylene	n/a	=	97	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Benzo(g,h,i)perylene	n/a	=	8.85	µg/L	EPA 8270C	0.05	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Benzo(g,h,i)perylene	n/a	=	88	%	EPA 8270C	-88	-88	14	139	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Benzo(g,h,i)perylene	n/a	=	9.34	µg/L	EPA 8270C	0.05	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Benzo(g,h,i)perylene	n/a	=	93	%	EPA 8270C	-88	-88	14	139	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Benzo(g,h,i)perylene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	29.6	µg/L	EPA 625.1	0.42	2			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	118	%	EPA 625.1	-88	-88	0.1	195	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	29.5	µg/L	EPA 625.1	0.42	2			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	118	%	EPA 625.1	-88	-88	0.1	195	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Benzo(g,h,i)perylene	n/a	=	0.2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2			
2019/20-5	Lab	method blank	5/21/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Benzo(g,h,i)perylene	n/a	=	9.13	µg/L	EPA 8270C	0.05	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Benzo(g,h,i)perylene	n/a	=	91	%	EPA 8270C	-88	-88	14	139	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Benzo(g,h,i)perylene	n/a	=	7.59	µg/L	EPA 8270C	0.05	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Benzo(g,h,i)perylene	n/a	=	76	%	EPA 8270C	-88	-88	14	139	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Benzo(g,h,i)perylene	n/a	=	18	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2			
2019/20-5	Lab	LCS	5/29/2020	Organic	Benzo(g,h,i)perylene	n/a	=	26.8	µg/L	EPA 625.1	0.42	2			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Benzo(g,h,i)perylene	n/a	=	107	%	EPA 625.1	-88	-88	0.1	195	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Benzo(k)fluoranthene	n/a	=	25.7	µg/L	EPA 625.1	0.22	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Benzo(k)fluoranthene	n/a	=	103	%	EPA 625.1	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Benzo(k)fluoranthene	n/a	=	2	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Benzo(k)fluoranthene	n/a	=	25.2	µg/L	EPA 625.1	0.22	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Benzo(k)fluoranthene	n/a	=	101	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Benzo(k)fluoranthene	n/a	=	8.74	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Benzo(k)fluoranthene	n/a	=	87	%	EPA 8270C	-88	-88	22	127	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Benzo(k)fluoranthene	n/a	=	9.1	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Benzo(k)fluoranthene	n/a	=	91	%	EPA 8270C	-88	-88	22	127	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Benzo(k)fluoranthene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	25.7	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	103	%	EPA 625.1	-88	-88	25	146	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	25.7	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	103	%	EPA 625.1	-88	-88	25	146	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Benzo(k)fluoranthene	n/a	=	0.2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Benzo(k)fluoranthene	n/a	=	8.87	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Benzo(k)fluoranthene	n/a	=	89	%	EPA 8270C	-88	-88	22	127	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Benzo(k)fluoranthene	n/a	=	7.49	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Benzo(k)fluoranthene	n/a	=	75	%	EPA 8270C	-88	-88	22	127	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Benzo(k)fluoranthene	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Benzo(k)fluoranthene	n/a	=	27.7	µg/L	EPA 625.1	0.22	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Benzo(k)fluoranthene	n/a	=	111	%	EPA 625.1	-88	-88	25	146	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	15.3	µg/L	EPA 625.1	0.25	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	61	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	6	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	16.2	µg/L	EPA 625.1	0.25	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	65	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.3	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	81	%	EPA 625.1	-88	-88	49	165	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.8	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	83	%	EPA 625.1	-88	-88	49	165	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	15.2	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Bis(2-chloroethoxy)methane	n/a	=	61	%	EPA 625.1	-88	-88	49	165	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	14.1	µg/L	EPA 625.1	0.27	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	56	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	8	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	15.2	µg/L	EPA 625.1	0.27	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	61	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	18.9	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	76	%	EPA 625.1	-88	-88	43	126	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	20.2	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	81	%	EPA 625.1	-88	-88	43	126	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	14.2	µg/L	EPA 625.1	0.27	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Bis(2-chloroethyl)ether	n/a	=	57	%	EPA 625.1	-88	-88	43	126	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	14.9	µg/L	EPA 625.1	0.38	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	60	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	10	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	16.5	µg/L	EPA 625.1	0.38	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	66	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.3	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	81	%	EPA 625.1	-88	-88	63	139	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21.8	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	87	%	EPA 625.1	-88	-88	63	139	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	15.1	µg/L	EPA 625.1	0.38	1			EUM
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Bis(2-chloroisopropyl)ether	n/a	=	61	%	EPA 625.1	-88	-88	63	139	EUM
2019/20-5	000NONPJ	matrix spike	5/14/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.36	µg/L	EPA 525.2	0.1	5			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.56	µg/L	EPA 525.2	0.1	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.72	µg/L	EPA 525.2	0.1	5			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.01	µg/L	EPA 525.2	0.1	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-5	Lab	LCS	4/30/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.24	µg/L	EPA 525.2	0.1	5			
2019/20-5	Lab	LCS, rec	4/30/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.43	µg/L	EPA 525.2	0.1	5			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-5	Lab	LCS	5/14/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.01	µg/L	EPA 525.2	0.1	5			
2019/20-5	Lab	LCS, rec	5/14/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-5	Lab	LCS	5/20/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.57	µg/L	EPA 525.2	0.1	5			
2019/20-5	Lab	LCS, rec	5/20/2020	Organic	Bis(2-ethylhexyl)adipate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.92	µg/L	EPA 525.2	1.1	3			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	118	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.04	µg/L	EPA 525.2	1.1	3			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	121	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.56	µg/L	EPA 525.2	1.1	3			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.83	µg/L	EPA 525.2	1.1	3			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.4	µg/L	EPA 625.1	2.3	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	98	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	10	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.1	µg/L	EPA 625.1	2.3	5			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	88	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	4/30/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-5	Lab	LCS	4/30/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.36	µg/L	EPA 525.2	1.1	3			
2019/20-5	Lab	LCS, rec	4/30/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.45	µg/L	EPA 525.2	1.1	3			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.7	µg/L	EPA 625.1	2.3	5			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	99	%	EPA 625.1	-88	-88	29	137	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28.3	µg/L	EPA 625.1	2.3	5			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	113	%	EPA 625.1	-88	-88	29	137	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	13	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5			
2019/20-5	Lab	method blank	5/14/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-5	Lab	LCS	5/14/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.2	µg/L	EPA 525.2	1.1	3			
2019/20-5	Lab	LCS, rec	5/14/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-5	Lab	LCS	5/20/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.38	µg/L	EPA 525.2	1.1	3			
2019/20-5	Lab	LCS, rec	5/20/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/29/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5			
2019/20-5	Lab	LCS	5/29/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	26.3	µg/L	EPA 625.1	2.3	5			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 625.1	-88	-88	29	137	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Butyl benzyl phthalate	n/a	=	24.5	µg/L	EPA 625.1	0.18	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Butyl benzyl phthalate	n/a	=	98	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Butyl benzyl phthalate	n/a	=	12	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Butyl benzyl phthalate	n/a	=	21.7	µg/L	EPA 625.1	0.18	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Butyl benzyl phthalate	n/a	=	87	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Butyl benzyl phthalate	n/a	=	24.1	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Butyl benzyl phthalate	n/a	=	96	%	EPA 625.1	-88	-88	0.1	140	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Butyl benzyl phthalate	n/a	=	27.6	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Butyl benzyl phthalate	n/a	=	110	%	EPA 625.1	-88	-88	0.1	140	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Butyl benzyl phthalate	n/a	=	13	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Butyl benzyl phthalate	n/a	=	25.9	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Butyl benzyl phthalate	n/a	=	104	%	EPA 625.1	-88	-88	0.1	140	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Chrysene	n/a	=	23.7	µg/L	EPA 625.1	0.19	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Chrysene	n/a	=	95	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Chrysene	n/a	=	5	%	EPA 625.1	-88	-88	0		

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Chrysene	n/a	=	22.4	µg/L	EPA 625.1	0.19	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Chrysene	n/a	=	90	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Chrysene	n/a	=	8.83	µg/L	EPA 8270C	0.032	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Chrysene	n/a	=	88	%	EPA 8270C	-88	-88	32	126	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Chrysene	n/a	=	9.07	µg/L	EPA 8270C	0.032	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Chrysene	n/a	=	91	%	EPA 8270C	-88	-88	32	126	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Chrysene	n/a	=	3	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Chrysene	n/a	=	23	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Chrysene	n/a	=	92	%	EPA 625.1	-88	-88	44	140	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Chrysene	n/a	=	23.4	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Chrysene	n/a	=	94	%	EPA 625.1	-88	-88	44	140	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Chrysene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Chrysene	n/a	=	9.22	µg/L	EPA 8270C	0.032	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Chrysene	n/a	=	92	%	EPA 8270C	-88	-88	32	126	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Chrysene	n/a	=	8.09	µg/L	EPA 8270C	0.032	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Chrysene	n/a	=	81	%	EPA 8270C	-88	-88	32	126	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Chrysene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Chrysene	n/a	=	25.1	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Chrysene	n/a	=	101	%	EPA 625.1	-88	-88	44	140	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Dibenz(a,h)anthracene	n/a	=	20.9	µg/L	EPA 625.1	0.53	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Dibenz(a,h)anthracene	n/a	=	84	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Dibenz(a,h)anthracene	n/a	=	3	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Dibenz(a,h)anthracene	n/a	=	20.3	µg/L	EPA 625.1	0.53	2			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Dibenz(a,h)anthracene	n/a	=	81	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Dibenz(a,h)anthracene	n/a	=	8.99	µg/L	EPA 8270C	0.096	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Dibenz(a,h)anthracene	n/a	=	90	%	EPA 8270C	-88	-88	9	147	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Dibenz(a,h)anthracene	n/a	=	9.45	µg/L	EPA 8270C	0.096	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Dibenz(a,h)anthracene	n/a	=	94	%	EPA 8270C	-88	-88	9	147	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Dibenz(a,h)anthracene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	25.4	µg/L	EPA 625.1	0.53	2			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	102	%	EPA 625.1	-88	-88	0.1	200	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	25.5	µg/L	EPA 625.1	0.53	2			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	102	%	EPA 625.1	-88	-88	0.1	200	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Dibenz(a,h)anthracene	n/a	=	0.3	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2			
2019/20-5	Lab	method blank	5/21/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Dibenz(a,h)anthracene	n/a	=	8.52	µg/L	EPA 8270C	0.096	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Dibenz(a,h)anthracene	n/a	=	85	%	EPA 8270C	-88	-88	9	147	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Dibenz(a,h)anthracene	n/a	=	7.37	µg/L	EPA 8270C	0.096	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Dibenz(a,h)anthracene	n/a	=	74	%	EPA 8270C	-88	-88	9	147	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Dibenz(a,h)anthracene	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/29/2020	Organic	Dibenz(a,h)anthracene	n/a	=	22.1	µg/L	EPA 625.1	0.53	2			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Dibenz(a,h)anthracene	n/a	=	88	%	EPA 625.1	-88	-88	0.1	200	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Diethyl phthalate	n/a	=	18	µg/L	EPA 625.1	0.15	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Diethyl phthalate	n/a	=	72	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Diethyl phthalate	n/a	=	1	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Diethyl phthalate	n/a	=	17.8	µg/L	EPA 625.1	0.15	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Diethyl phthalate	n/a	=	71	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Diethyl phthalate	n/a	=	22.1	µg/L	EPA 625.1	0.15	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Diethyl phthalate	n/a	=	88	%	EPA 625.1	-88	-88	0.1	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Diethyl phthalate	n/a	=	21.9	µg/L	EPA 625.1	0.15	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Diethyl phthalate	n/a	=	88	%	EPA 625.1	-88	-88	0.1	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Diethyl phthalate	n/a	=	0.8	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Diethyl phthalate	n/a	=	18.7	µg/L	EPA 625.1	0.15	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Diethyl phthalate	n/a	=	75	%	EPA 625.1	-88	-88	0.1	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Dimethyl phthalate	n/a	=	15.5	µg/L	EPA 625.1	0.18	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Dimethyl phthalate	n/a	=	62	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Dimethyl phthalate	n/a	=	1	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Dimethyl phthalate	n/a	=	15.7	µg/L	EPA 625.1	0.18	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Dimethyl phthalate	n/a	=	63	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Dimethyl phthalate	n/a	=	20.6	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Dimethyl phthalate	n/a	=	83	%	EPA 625.1	-88	-88	0.1	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Dimethyl phthalate	n/a	=	20.8	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Dimethyl phthalate	n/a	=	83	%	EPA 625.1	-88	-88	0.1	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Dimethyl phthalate	n/a	=	0.6	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Dimethyl phthalate	n/a	=	15.4	µg/L	EPA 625.1	0.18	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Dimethyl phthalate	n/a	=	62	%	EPA 625.1	-88	-88	0.1	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Di-n-butylphthalate	n/a	=	23.7	µg/L	EPA 625.1	0.1	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Di-n-butylphthalate	n/a	=	95	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Di-n-butylphthalate	n/a	=	9	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Di-n-butylphthalate	n/a	=	21.7	µg/L	EPA 625.1	0.1	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Di-n-butylphthalate	n/a	=	87	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Di-n-butylphthalate	n/a	=	23.9	µg/L	EPA 625.1	0.1	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Di-n-butylphthalate	n/a	=	96	%	EPA 625.1	-88	-88	8	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Di-n-butylphthalate	n/a	=	24.4	µg/L	EPA 625.1	0.1	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Di-n-butylphthalate	n/a	=	98	%	EPA 625.1	-88	-88	8	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Di-n-butylphthalate	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Di-n-butylphthalate	n/a	=	25.3	µg/L	EPA 625.1	0.1	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Di-n-butylphthalate	n/a	=	101	%	EPA 625.1	-88	-88	8	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Di-n-octylphthalate	n/a	=	27.4	µg/L	EPA 625.1	0.46	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Di-n-octylphthalate	n/a	=	110	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Di-n-octylphthalate	n/a	=	6	%	EPA 625.1	-88	-88	0		

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Di-n-octylphthalate	n/a	=	25.9	µg/L	EPA 625.1	0.46	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Di-n-octylphthalate	n/a	=	104	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Di-n-octylphthalate	n/a	=	25.9	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Di-n-octylphthalate	n/a	=	104	%	EPA 625.1	-88	-88	19	132	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Di-n-octylphthalate	n/a	=	26.2	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Di-n-octylphthalate	n/a	=	105	%	EPA 625.1	-88	-88	19	132	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Di-n-octylphthalate	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Di-n-octylphthalate	n/a	=	28.9	µg/L	EPA 625.1	0.46	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Di-n-octylphthalate	n/a	=	116	%	EPA 625.1	-88	-88	19	132	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Fluoranthene	n/a	=	25.8	µg/L	EPA 625.1	0.08	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Fluoranthene	n/a	=	103	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Fluoranthene	n/a	=	7	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Fluoranthene	n/a	=	24	µg/L	EPA 625.1	0.08	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Fluoranthene	n/a	=	96	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Fluoranthene	n/a	=	8.92	µg/L	EPA 8270C	0.039	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Fluoranthene	n/a	=	89	%	EPA 8270C	-88	-88	22	131	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Fluoranthene	n/a	=	9.3	µg/L	EPA 8270C	0.039	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Fluoranthene	n/a	=	93	%	EPA 8270C	-88	-88	22	131	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Fluoranthene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Fluoranthene	n/a	=	26.3	µg/L	EPA 625.1	0.08	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Fluoranthene	n/a	=	105	%	EPA 625.1	-88	-88	43	121	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Fluoranthene	n/a	=	28.5	µg/L	EPA 625.1	0.08	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Fluoranthene	n/a	=	114	%	EPA 625.1	-88	-88	43	121	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Fluoranthene	n/a	=	8	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Fluoranthene	n/a	=	6.85	µg/L	EPA 8270C	0.039	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Fluoranthene	n/a	=	69	%	EPA 8270C	-88	-88	22	131	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Fluoranthene	n/a	=	6.09	µg/L	EPA 8270C	0.039	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Fluoranthene	n/a	=	61	%	EPA 8270C	-88	-88	22	131	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Fluoranthene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Fluoranthene	n/a	=	27.7	µg/L	EPA 625.1	0.08	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Fluoranthene	n/a	=	111	%	EPA 625.1	-88	-88	43	121	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Fluorene	n/a	=	16.3	µg/L	EPA 625.1	0.35	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Fluorene	n/a	=	65	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Fluorene	n/a	=	0.06	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Fluorene	n/a	=	16.3	µg/L	EPA 625.1	0.35	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Fluorene	n/a	=	65	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Fluorene	n/a	=	8.57	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Fluorene	n/a	=	86	%	EPA 8270C	-88	-88	19	122	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Fluorene	n/a	=	9.3	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Fluorene	n/a	=	93	%	EPA 8270C	-88	-88	19	122	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Fluorene	n/a	=	8	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Fluorene	n/a	=	22.1	µg/L	EPA 625.1	0.35	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Fluorene	n/a	=	88	%	EPA 625.1	-88	-88	70	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Fluorene	n/a	=	22.6	µg/L	EPA 625.1	0.35	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Fluorene	n/a	=	90	%	EPA 625.1	-88	-88	70	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Fluorene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Fluorene	n/a	=	8.38	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Fluorene	n/a	=	84	%	EPA 8270C	-88	-88	19	122	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Fluorene	n/a	=	7.35	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Fluorene	n/a	=	73	%	EPA 8270C	-88	-88	19	122	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Fluorene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Fluorene	n/a	=	16	µg/L	EPA 625.1	0.35	1			EUM
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Fluorene	n/a	=	64	%	EPA 625.1	-88	-88	70	120	EUM
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Hexachlorobenzene	n/a	=	17.4	µg/L	EPA 625.1	0.49	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Hexachlorobenzene	n/a	=	70	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Hexachlorobenzene	n/a	=	1	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Hexachlorobenzene	n/a	=	17.2	µg/L	EPA 625.1	0.49	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Hexachlorobenzene	n/a	=	69	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Hexachlorobenzene	n/a	=	21.2	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Hexachlorobenzene	n/a	=	85	%	EPA 625.1	-88	-88	8	142	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Hexachlorobenzene	n/a	=	21.6	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Hexachlorobenzene	n/a	=	87	%	EPA 625.1	-88	-88	8	142	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Hexachlorobenzene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Hexachlorobenzene	n/a	=	18.2	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Hexachlorobenzene	n/a	=	73	%	EPA 625.1	-88	-88	8	142	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Hexachlorobutadiene	n/a	=	15	µg/L	EPA 625.1	0.47	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Hexachlorobutadiene	n/a	=	60	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Hexachlorobutadiene	n/a	=	9	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Hexachlorobutadiene	n/a	=	16.5	µg/L	EPA 625.1	0.47	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Hexachlorobutadiene	n/a	=	66	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Hexachlorobutadiene	n/a	=	22.6	µg/L	EPA 625.1	0.47	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Hexachlorobutadiene	n/a	=	91	%	EPA 625.1	-88	-88	38	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Hexachlorobutadiene	n/a	=	23.9	µg/L	EPA 625.1	0.47	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Hexachlorobutadiene	n/a	=	96	%	EPA 625.1	-88	-88	38	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Hexachlorobutadiene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Hexachlorobutadiene	n/a	=	15.4	µg/L	EPA 625.1	0.47	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Hexachlorobutadiene	n/a	=	61	%	EPA 625.1	-88	-88	38	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Hexachlorocyclopentadiene	n/a	=	5.89	µg/L	EPA 625.1	0.98	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Hexachlorocyclopentadiene	n/a	=	24	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Hexachlorocyclopentadiene	n/a	=	2	%	EPA 625.1	-88	-88	0		

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Hexachlorocyclopentadiene	n/a	=	6.02	µg/L	EPA 625.1	0.98	5			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Hexachlorocyclopentadiene	n/a	=	24	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	10.3	µg/L	EPA 625.1	0.98	5			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	41	%	EPA 625.1	-88	-88	10	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	10.7	µg/L	EPA 625.1	0.98	5			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	43	%	EPA 625.1	-88	-88	10	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Hexachlorocyclopentadiene	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5			
2019/20-5	Lab	method blank	5/29/2020	Organic	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5			
2019/20-5	Lab	LCS	5/29/2020	Organic	Hexachlorocyclopentadiene	n/a	=	7.33	µg/L	EPA 625.1	0.98	5			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Hexachlorocyclopentadiene	n/a	=	29	%	EPA 625.1	-88	-88	10	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Hexachloroethane	n/a	=	13.6	µg/L	EPA 625.1	0.5	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Hexachloroethane	n/a	=	54	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Hexachloroethane	n/a	=	11	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Hexachloroethane	n/a	=	15.2	µg/L	EPA 625.1	0.5	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Hexachloroethane	n/a	=	61	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Hexachloroethane	n/a	=	19.5	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Hexachloroethane	n/a	=	78	%	EPA 625.1	-88	-88	55	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Hexachloroethane	n/a	=	20.8	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Hexachloroethane	n/a	=	83	%	EPA 625.1	-88	-88	55	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Hexachloroethane	n/a	=	6	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Hexachloroethane	n/a	=	14.1	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Hexachloroethane	n/a	=	56	%	EPA 625.1	-88	-88	55	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	22.5	µg/L	EPA 625.1	0.55	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	90	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	4	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	21.7	µg/L	EPA 625.1	0.55	2			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	87	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.97	µg/L	EPA 8270C	0.065	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	90	%	EPA 8270C	-88	-88	12	136	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.42	µg/L	EPA 8270C	0.065	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	94	%	EPA 8270C	-88	-88	12	136	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	26.1	µg/L	EPA 625.1	0.55	2			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	105	%	EPA 625.1	-88	-88	0.1	151	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	25.7	µg/L	EPA 625.1	0.55	2			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	103	%	EPA 625.1	-88	-88	0.1	151	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2			
2019/20-5	Lab	method blank	5/21/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.04	µg/L	EPA 8270C	0.065	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	90	%	EPA 8270C	-88	-88	12	136	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7.8	µg/L	EPA 8270C	0.065	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	78	%	EPA 8270C	-88	-88	12	136	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	15	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2			
2019/20-5	Lab	LCS	5/29/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	24.2	µg/L	EPA 625.1	0.55	2			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	97	%	EPA 625.1	-88	-88	0.1	151	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Isophorone	n/a	=	16.4	µg/L	EPA 625.1	0.21	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Isophorone	n/a	=	65	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Isophorone	n/a	=	5	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Isophorone	n/a	=	17.2	µg/L	EPA 625.1	0.21	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Isophorone	n/a	=	69	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Isophorone	n/a	=	20.9	µg/L	EPA 625.1	0.21	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Isophorone	n/a	=	84	%	EPA 625.1	-88	-88	47	180	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Isophorone	n/a	=	21.5	µg/L	EPA 625.1	0.21	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Isophorone	n/a	=	86	%	EPA 625.1	-88	-88	47	180	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Isophorone	n/a	=	3	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Isophorone	n/a	=	16.1	µg/L	EPA 625.1	0.21	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Isophorone	n/a	=	64	%	EPA 625.1	-88	-88	47	180	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Naphthalene	n/a	=	14.7	µg/L	EPA 625.1	0.49	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Naphthalene	n/a	=	59	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Naphthalene	n/a	=	8	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Naphthalene	n/a	=	15.9	µg/L	EPA 625.1	0.49	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Naphthalene	n/a	=	63	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Naphthalene	n/a	=	7.09	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Naphthalene	n/a	=	71	%	EPA 8270C	-88	-88	12	136	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Naphthalene	n/a	=	8.43	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Naphthalene	n/a	=	84	%	EPA 8270C	-88	-88	12	136	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Naphthalene	n/a	=	17	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Naphthalene	n/a	=	21	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Naphthalene	n/a	=	84	%	EPA 625.1	-88	-88	36	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Naphthalene	n/a	=	22	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Naphthalene	n/a	=	88	%	EPA 625.1	-88	-88	36	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Naphthalene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Naphthalene	n/a	=	7.52	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Naphthalene	n/a	=	75	%	EPA 8270C	-88	-88	12	136	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Naphthalene	n/a	=	6.63	µg/L	EPA 8270C	0.026	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Naphthalene	n/a	=	66	%	EPA 8270C	-88	-88	12	136	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Naphthalene	n/a	=	13	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Naphthalene	n/a	=	14.7	µg/L	EPA 625.1	0.49	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Naphthalene	n/a	=	59	%	EPA 625.1	-88	-88	36	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Nitrobenzene	n/a	=	15.3	µg/L	EPA 625.1	0.36	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Nitrobenzene	n/a	=	61	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Nitrobenzene	n/a	=	7	%	EPA 625.1	-88	-88	0		

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Nitrobenzene	n/a	=	16.4	µg/L	EPA 625.1	0.36	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Nitrobenzene	n/a	=	66	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	Nitrobenzene	n/a	=	19.6	µg/L	EPA 625.1	0.36	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Nitrobenzene	n/a	=	78	%	EPA 625.1	-88	-88	54	158	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Nitrobenzene	n/a	=	20.5	µg/L	EPA 625.1	0.36	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Nitrobenzene	n/a	=	82	%	EPA 625.1	-88	-88	54	158	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Nitrobenzene	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Nitrobenzene	n/a	=	15.2	µg/L	EPA 625.1	0.36	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Nitrobenzene	n/a	=	61	%	EPA 625.1	-88	-88	54	158	
2019/20-5	000NONPJ	srgt matrix spike dup	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	17.2	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	3.82	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270C	-88	-88	51	143	
2019/20-5	Lab	srgt LCS	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	3.92	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 8270C	-88	-88	51	143	
2019/20-5	Lab	srgt LCS dup	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	4.53	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	91	%	EPA 8270C	-88	-88	51	143	
2019/20-5	Lab	srgt LCS	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	21.9	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	88	%	EPA 625.1	-88	-88	47	120	
2019/20-5	Lab	srgt LCS dup	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	23	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	92	%	EPA 625.1	-88	-88	47	120	
2019/20-5	Lab	srgt method blank	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	3.8	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625.1	-88	-88	47	120	
2019/20-5	Lab	srgt method blank	5/21/2020	Organic	Nitrobenzene-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/21/2020	Organic	Nitrobenzene-d5	n/a	=	0	%	EPA 8270C	-88	-88	51	143	GN
2019/20-5	Lab	srgt LCS	5/21/2020	Organic	Nitrobenzene-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS, rec	5/21/2020	Organic	Nitrobenzene-d5	n/a	=	0	%	EPA 8270C	-88	-88	51	143	GN
2019/20-5	Lab	srgt LCS dup	5/22/2020	Organic	Nitrobenzene-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS dup, rec	5/22/2020	Organic	Nitrobenzene-d5	n/a	=	0	%	EPA 8270C	-88	-88	51	143	GN
2019/20-5	Lab	srgt method blank	5/29/2020	Organic	Nitrobenzene-d5	n/a	<	0	µg/L	EPA 625.1	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	0	%	EPA 625.1	-88	-88	47	120	GN
2019/20-5	Lab	srgt LCS	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	16.7	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625.1	-88	-88	47	120	
2019/20-5	ME-CC	srgt environ	5/22/2020	Organic	Nitrobenzene-d5	n/a	=	2.86	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/22/2020	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 8270C	-88	-88	51	143	
2019/20-5	ME-CC	srgt environ	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	3.09	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 625.1	-88	-88	47	120	
2019/20-5	ME-SCR	srgt environ	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	4.19	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 8270C	-88	-88	51	143	
2019/20-5	ME-SCR	srgt environ	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	4.21	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 625.1	-88	-88	47	120	
2019/20-5	ME-VR2	srgt environ	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	4.55	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	91	%	EPA 8270C	-88	-88	51	143	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-VR2	srgt environ	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	4.31	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 625.1	-88	-88	47	120	
2019/20-5	MO-CAM	srgt environ	5/21/2020	Organic	Nitrobenzene-d5	n/a	=	2.08	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	MO-CAM	srgt environ, rec	5/21/2020	Organic	Nitrobenzene-d5	n/a	=	42	%	EPA 8270C	-88	-88	51	143	GN
2019/20-5	MO-CAM	srgt environ	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	2.1	µg/L	EPA 625.1	-88	-88			GN
2019/20-5	MO-CAM	srgt environ, rec	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	42	%	EPA 625.1	-88	-88	47	120	GN
2019/20-5	MO-FIL	srgt environ	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	4.04	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 8270C	-88	-88	51	143	
2019/20-5	MO-FIL	srgt environ	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	3.94	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625.1	-88	-88	47	120	
2019/20-5	MO-HUE	srgt environ	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	4.22	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 8270C	-88	-88	51	143	
2019/20-5	MO-HUE	srgt environ	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	4.05	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625.1	-88	-88	47	120	
2019/20-5	MO-OJA	srgt environ	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	4.3	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 8270C	-88	-88	51	143	
2019/20-5	MO-OJA	srgt environ	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	4.06	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625.1	-88	-88	47	120	
2019/20-5	MO-OXN	srgt environ	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	4.59	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	92	%	EPA 8270C	-88	-88	51	143	
2019/20-5	MO-OXN	srgt environ	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	4.41	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	88	%	EPA 625.1	-88	-88	47	120	
2019/20-5	MO-SIM	srgt environ	5/21/2020	Organic	Nitrobenzene-d5	n/a	=	3.89	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/21/2020	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 8270C	-88	-88	51	143	
2019/20-5	MO-SIM	srgt environ	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	3.83	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625.1	-88	-88	47	120	
2019/20-5	MO-SPA	srgt environ	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	3.99	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	80	%	EPA 8270C	-88	-88	51	143	
2019/20-5	MO-SPA	srgt environ	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	3.79	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625.1	-88	-88	47	120	
2019/20-5	MO-THO	srgt environ	5/21/2020	Organic	Nitrobenzene-d5	n/a	=	3.56	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/21/2020	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 8270C	-88	-88	51	143	
2019/20-5	MO-THO	srgt environ	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	3.44	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/29/2020	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625.1	-88	-88	47	120	
2019/20-5	MO-VEN	srgt environ	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	2.64	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/8/2020	Organic	Nitrobenzene-d5	n/a	=	53	%	EPA 8270C	-88	-88	51	143	
2019/20-5	MO-VEN	srgt environ	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	2.56	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/13/2020	Organic	Nitrobenzene-d5	n/a	=	51	%	EPA 625.1	-88	-88	47	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	N-Nitrosodimethylamine	n/a	=	11.6	µg/L	EPA 625.1	0.5	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	N-Nitrosodimethylamine	n/a	=	47	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	N-Nitrosodimethylamine	n/a	=	0.3	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	N-Nitrosodimethylamine	n/a	=	11.7	µg/L	EPA 625.1	0.5	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	N-Nitrosodimethylamine	n/a	=	47	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	12.9	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	52	%	EPA 625.1	-88	-88	22	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	13.8	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	55	%	EPA 625.1	-88	-88	22	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	N-Nitrosodimethylamine	n/a	=	7	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	N-Nitrosodimethylamine	n/a	=	12	µg/L	EPA 625.1	0.5	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	N-Nitrosodimethylamine	n/a	=	48	%	EPA 625.1	-88	-88	22	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	16.9	µg/L	EPA 625.1	0.26	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	67	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	5	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	17.7	µg/L	EPA 625.1	0.26	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	71	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	21.3	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	85	%	EPA 625.1	-88	-88	14	198	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	22.3	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	89	%	EPA 625.1	-88	-88	14	198	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	16.4	µg/L	EPA 625.1	0.26	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	N-Nitrosodi-N-propylamine	n/a	=	66	%	EPA 625.1	-88	-88	14	198	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	N-Nitrosodiphenylamine	n/a	=	10.4	µg/L	EPA 625.1	0.19	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	N-Nitrosodiphenylamine	n/a	=	41	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	N-Nitrosodiphenylamine	n/a	=	32	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	N-Nitrosodiphenylamine	n/a	=	14.4	µg/L	EPA 625.1	0.19	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	N-Nitrosodiphenylamine	n/a	=	57	%	EPA 625.1	-88	-88			
2019/20-5	Lab	LCS	5/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	17.4	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	70	%	EPA 625.1	-88	-88	47	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	17.7	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625.1	-88	-88	47	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	N-Nitrosodiphenylamine	n/a	=	1	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	method blank	5/29/2020	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	N-Nitrosodiphenylamine	n/a	=	14.8	µg/L	EPA 625.1	0.19	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	N-Nitrosodiphenylamine	n/a	=	59	%	EPA 625.1	-88	-88	47	120	
2019/20-5	000NONPJ	srgt matrix spike	5/14/2020	Organic	Perylene-d12	n/a	=	5.29	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/14/2020	Organic	Perylene-d12	n/a	=	106	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	srgt matrix spike dup	5/14/2020	Organic	Perylene-d12	n/a	=	5.24	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/14/2020	Organic	Perylene-d12	n/a	=	105	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	srgt matrix spike	5/21/2020	Organic	Perylene-d12	n/a	=	4.77	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/21/2020	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	srgt matrix spike dup	5/21/2020	Organic	Perylene-d12	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/21/2020	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	srgt method blank	4/30/2020	Organic	Perylene-d12	n/a	=	5.36	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	4/30/2020	Organic	Perylene-d12	n/a	=	107	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	srgt LCS	4/30/2020	Organic	Perylene-d12	n/a	=	5.76	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	4/30/2020	Organic	Perylene-d12	n/a	=	115	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	srgt LCS dup	4/30/2020	Organic	Perylene-d12	n/a	=	5.8	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	4/30/2020	Organic	Perylene-d12	n/a	=	116	%	EPA 525.2	-88	-88	50	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	srgt method blank	5/14/2020	Organic	Perylene-d12	n/a	=	5.47	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/14/2020	Organic	Perylene-d12	n/a	=	109	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	srgt LCS	5/14/2020	Organic	Perylene-d12	n/a	=	5.93	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/14/2020	Organic	Perylene-d12	n/a	=	119	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	srgt method blank	5/20/2020	Organic	Perylene-d12	n/a	=	4.54	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/20/2020	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	srgt LCS	5/20/2020	Organic	Perylene-d12	n/a	=	5.14	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/20/2020	Organic	Perylene-d12	n/a	=	103	%	EPA 525.2	-88	-88	50	120	
2019/20-5	ME-CC	srgt environ	5/21/2020	Organic	Perylene-d12	n/a	=	4.1	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/21/2020	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	50	120	
2019/20-5	ME-SCR	srgt environ	4/30/2020	Organic	Perylene-d12	n/a	=	4.53	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	4/30/2020	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2019/20-5	ME-VR2	srgt environ	5/14/2020	Organic	Perylene-d12	n/a	=	4.69	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/14/2020	Organic	Perylene-d12	n/a	=	94	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-CAM	srgt environ	5/21/2020	Organic	Perylene-d12	n/a	=	5.05	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/21/2020	Organic	Perylene-d12	n/a	=	101	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-FIL	srgt environ	4/30/2020	Organic	Perylene-d12	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	4/30/2020	Organic	Perylene-d12	n/a	=	103	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-HUE	srgt environ	5/14/2020	Organic	Perylene-d12	n/a	=	10.6	µg/L	EPA 525.2	-88	-88			GN
2019/20-5	MO-HUE	srgt environ, rec	5/14/2020	Organic	Perylene-d12	n/a	=	43	%	EPA 525.2	-88	-88	50	120	GN
2019/20-5	MO-MPK	srgt environ	5/15/2020	Organic	Perylene-d12	n/a	=	4.52	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	5/15/2020	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-OJA	srgt environ	5/14/2020	Organic	Perylene-d12	n/a	=	4.54	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/14/2020	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-OXN	srgt environ	4/30/2020	Organic	Perylene-d12	n/a	=	5.23	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	4/30/2020	Organic	Perylene-d12	n/a	=	105	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-SIM	srgt environ	5/21/2020	Organic	Perylene-d12	n/a	=	4.85	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/21/2020	Organic	Perylene-d12	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-SPA	srgt environ	4/30/2020	Organic	Perylene-d12	n/a	=	5.17	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	4/30/2020	Organic	Perylene-d12	n/a	=	103	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-THO	srgt environ	5/21/2020	Organic	Perylene-d12	n/a	=	4.51	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/21/2020	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2019/20-5	MO-VEN	srgt environ	4/30/2020	Organic	Perylene-d12	n/a	=	4.29	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	4/30/2020	Organic	Perylene-d12	n/a	=	86	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Phenanthrene	n/a	=	20.4	µg/L	EPA 625.1	0.32	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Phenanthrene	n/a	=	82	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Phenanthrene	n/a	=	3	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Phenanthrene	n/a	=	19.7	µg/L	EPA 625.1	0.32	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Phenanthrene	n/a	=	79	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Phenanthrene	n/a	=	8.49	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Phenanthrene	n/a	=	85	%	EPA 8270C	-88	-88	21	131	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Phenanthrene	n/a	=	8.97	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Phenanthrene	n/a	=	90	%	EPA 8270C	-88	-88	21	131	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Phenanthrene	n/a	=	5	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Phenanthrene	n/a	=	20.6	µg/L	EPA 625.1	0.32	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Phenanthrene	n/a	=	83	%	EPA 625.1	-88	-88	65	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Phenanthrene	n/a	=	21	µg/L	EPA 625.1	0.32	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Phenanthrene	n/a	=	84	%	EPA 625.1	-88	-88	65	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Phenanthrene	n/a	=	2	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Phenanthrene	n/a	=	8.24	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Phenanthrene	n/a	=	82	%	EPA 8270C	-88	-88	21	131	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Phenanthrene	n/a	=	7.33	µg/L	EPA 8270C	0.029	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Phenanthrene	n/a	=	73	%	EPA 8270C	-88	-88	21	131	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Phenanthrene	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Phenanthrene	n/a	=	21.1	µg/L	EPA 625.1	0.32	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Phenanthrene	n/a	=	85	%	EPA 625.1	-88	-88	65	120	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Phenol	n/a	=	6.07	µg/L	EPA 625.1	0.16	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Phenol	n/a	=	24	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Phenol	n/a	=	13	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Phenol	n/a	=	6.89	µg/L	EPA 625.1	0.16	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Phenol	n/a	=	28	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Phenol	n/a	=	3.37	µg/L	EPA 8270C	0.35	1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Phenol	n/a	=	34	%	EPA 8270C	-88	-88	6	43	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Phenol	n/a	=	4.19	µg/L	EPA 8270C	0.35	1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Phenol	n/a	=	42	%	EPA 8270C	-88	-88	6	43	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Phenol	n/a	=	22	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Phenol	n/a	=	8.44	µg/L	EPA 625.1	0.16	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Phenol	n/a	=	34	%	EPA 625.1	-88	-88	17	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Phenol	n/a	=	8.88	µg/L	EPA 625.1	0.16	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Phenol	n/a	=	36	%	EPA 625.1	-88	-88	17	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Phenol	n/a	=	5	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1			
2019/20-5	Lab	method blank	5/22/2020	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1			
2019/20-5	Lab	LCS	5/22/2020	Organic	Phenol	n/a	=	3.44	µg/L	EPA 8270C	0.35	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Organic	Phenol	n/a	=	34	%	EPA 8270C	-88	-88	6	43	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Phenol	n/a	=	3.44	µg/L	EPA 8270C	0.35	1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Phenol	n/a	=	34	%	EPA 8270C	-88	-88	6	43	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Phenol	n/a	=	0.1	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Phenol	n/a	=	6.34	µg/L	EPA 625.1	0.16	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Phenol	n/a	=	25	%	EPA 625.1	-88	-88	17	120	
2019/20-5	000NONPJ	srgt matrix spike dup	5/29/2020	Organic	Phenol-d5	n/a	=	14.1	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/29/2020	Organic	Phenol-d5	n/a	=	28	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike	5/29/2020	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/29/2020	Organic	Phenol-d5	n/a	=	32	%	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank	5/8/2020	Organic	Phenol-d5	n/a	=	3.72	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/8/2020	Organic	Phenol-d5	n/a	=	37	%	EPA 8270C	-88	-88	5	46	
2019/20-5	Lab	srgt LCS	5/8/2020	Organic	Phenol-d5	n/a	=	3.58	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/8/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 8270C	-88	-88	5	46	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	srgt LCS dup	5/8/2020	Organic	Phenol-d5	n/a	=	4.33	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/8/2020	Organic	Phenol-d5	n/a	=	43	%	EPA 8270C	-88	-88	5	46	
2019/20-5	Lab	srgt LCS	5/13/2020	Organic	Phenol-d5	n/a	=	19.4	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/13/2020	Organic	Phenol-d5	n/a	=	39	%	EPA 625.1	-88	-88	12	120	
2019/20-5	Lab	srgt LCS dup	5/13/2020	Organic	Phenol-d5	n/a	=	20.2	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/13/2020	Organic	Phenol-d5	n/a	=	40	%	EPA 625.1	-88	-88	12	120	
2019/20-5	Lab	srgt method blank	5/13/2020	Organic	Phenol-d5	n/a	=	3.24	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/13/2020	Organic	Phenol-d5	n/a	=	32	%	EPA 625.1	-88	-88	12	120	
2019/20-5	Lab	srgt method blank	5/22/2020	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/22/2020	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2019/20-5	Lab	srgt LCS	5/22/2020	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS, rec	5/22/2020	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2019/20-5	Lab	srgt LCS dup	5/22/2020	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS dup, rec	5/22/2020	Organic	Phenol-d5	n/a	=	0	%	EPA 8270C	-88	-88	5	46	GN
2019/20-5	Lab	srgt method blank	5/29/2020	Organic	Phenol-d5	n/a	<	0	µg/L	EPA 625.1	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/29/2020	Organic	Phenol-d5	n/a	=	0	%	EPA 625.1	-88	-88	12	120	GN
2019/20-5	Lab	srgt LCS	5/29/2020	Organic	Phenol-d5	n/a	=	14.5	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/29/2020	Organic	Phenol-d5	n/a	=	29	%	EPA 625.1	-88	-88	12	120	
2019/20-5	ME-CC	srgt environ	5/22/2020	Organic	Phenol-d5	n/a	=	2.42	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/22/2020	Organic	Phenol-d5	n/a	=	24	%	EPA 8270C	-88	-88	5	46	
2019/20-5	ME-CC	srgt environ	5/29/2020	Organic	Phenol-d5	n/a	=	2.63	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/29/2020	Organic	Phenol-d5	n/a	=	26	%	EPA 625.1	-88	-88	12	120	
2019/20-5	ME-SCR	srgt environ	5/8/2020	Organic	Phenol-d5	n/a	=	3.81	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/8/2020	Organic	Phenol-d5	n/a	=	38	%	EPA 8270C	-88	-88	5	46	
2019/20-5	ME-SCR	srgt environ	5/13/2020	Organic	Phenol-d5	n/a	=	3.67	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/13/2020	Organic	Phenol-d5	n/a	=	37	%	EPA 625.1	-88	-88	12	120	
2019/20-5	ME-VR2	srgt environ	5/9/2020	Organic	Phenol-d5	n/a	=	3.98	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/9/2020	Organic	Phenol-d5	n/a	=	40	%	EPA 8270C	-88	-88	5	46	
2019/20-5	ME-VR2	srgt environ	5/13/2020	Organic	Phenol-d5	n/a	=	3.76	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/13/2020	Organic	Phenol-d5	n/a	=	38	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-CAM	srgt environ	5/22/2020	Organic	Phenol-d5	n/a	=	2.21	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/22/2020	Organic	Phenol-d5	n/a	=	22	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-CAM	srgt environ	5/29/2020	Organic	Phenol-d5	n/a	=	2.41	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/29/2020	Organic	Phenol-d5	n/a	=	24	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-FIL	srgt environ	5/8/2020	Organic	Phenol-d5	n/a	=	3.74	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/8/2020	Organic	Phenol-d5	n/a	=	37	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-FIL	srgt environ	5/13/2020	Organic	Phenol-d5	n/a	=	3.55	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/13/2020	Organic	Phenol-d5	n/a	=	35	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-HUE	srgt environ	5/9/2020	Organic	Phenol-d5	n/a	=	3.74	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/9/2020	Organic	Phenol-d5	n/a	=	37	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-HUE	srgt environ	5/13/2020	Organic	Phenol-d5	n/a	=	3.5	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/13/2020	Organic	Phenol-d5	n/a	=	35	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-OJA	srgt environ	5/9/2020	Organic	Phenol-d5	n/a	=	3.82	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/9/2020	Organic	Phenol-d5	n/a	=	38	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-OJA	srgt environ	5/13/2020	Organic	Phenol-d5	n/a	=	3.75	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/13/2020	Organic	Phenol-d5	n/a	=	38	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-OXN	srgt environ	5/8/2020	Organic	Phenol-d5	n/a	=	3.28	µg/L	EPA 8270C	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-OXN	srgt environ, rec	5/8/2020	Organic	Phenol-d5	n/a	=	33	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-OXN	srgt environ	5/13/2020	Organic	Phenol-d5	n/a	=	3.2	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/13/2020	Organic	Phenol-d5	n/a	=	32	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-SIM	srgt environ	5/22/2020	Organic	Phenol-d5	n/a	=	3.12	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/22/2020	Organic	Phenol-d5	n/a	=	31	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-SIM	srgt environ	5/29/2020	Organic	Phenol-d5	n/a	=	3.27	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/29/2020	Organic	Phenol-d5	n/a	=	33	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-SPA	srgt environ	5/8/2020	Organic	Phenol-d5	n/a	=	3.58	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/8/2020	Organic	Phenol-d5	n/a	=	36	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-SPA	srgt environ	5/13/2020	Organic	Phenol-d5	n/a	=	3.45	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/13/2020	Organic	Phenol-d5	n/a	=	35	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-THO	srgt environ	5/22/2020	Organic	Phenol-d5	n/a	=	2.85	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/22/2020	Organic	Phenol-d5	n/a	=	29	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-THO	srgt environ	5/29/2020	Organic	Phenol-d5	n/a	=	3.03	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/29/2020	Organic	Phenol-d5	n/a	=	30	%	EPA 625.1	-88	-88	12	120	
2019/20-5	MO-VEN	srgt environ	5/8/2020	Organic	Phenol-d5	n/a	=	2.72	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/8/2020	Organic	Phenol-d5	n/a	=	27	%	EPA 8270C	-88	-88	5	46	
2019/20-5	MO-VEN	srgt environ	5/13/2020	Organic	Phenol-d5	n/a	=	2.55	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/13/2020	Organic	Phenol-d5	n/a	=	25	%	EPA 625.1	-88	-88	12	120	
2019/20-5	000NONPJ	srgt matrix spike dup	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	28.1	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	112	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	25.3	µg/L	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	101	%	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	4.56	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	91	%	EPA 8270C	-88	-88	19	134	
2019/20-5	Lab	srgt LCS	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	5.01	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	100	%	EPA 8270C	-88	-88	19	134	
2019/20-5	Lab	srgt LCS dup	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	5.08	µg/L	EPA 8270C	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	102	%	EPA 8270C	-88	-88	19	134	
2019/20-5	Lab	srgt LCS	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	22.6	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 625.1	-88	-88	44	129	
2019/20-5	Lab	srgt LCS dup	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	25.1	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	101	%	EPA 625.1	-88	-88	44	129	
2019/20-5	Lab	srgt method blank	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.38	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625.1	-88	-88	44	129	
2019/20-5	Lab	srgt method blank	5/21/2020	Organic	p-Terphenyl-d14	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/21/2020	Organic	p-Terphenyl-d14	n/a	=	0	%	EPA 8270C	-88	-88	19	134	GN
2019/20-5	Lab	srgt LCS	5/21/2020	Organic	p-Terphenyl-d14	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS, rec	5/21/2020	Organic	p-Terphenyl-d14	n/a	=	0	%	EPA 8270C	-88	-88	19	134	GN
2019/20-5	Lab	srgt LCS dup	5/22/2020	Organic	p-Terphenyl-d14	n/a	<	0	µg/L	EPA 8270C	-88	-88			GN
2019/20-5	Lab	srgt LCS dup, rec	5/22/2020	Organic	p-Terphenyl-d14	n/a	=	0	%	EPA 8270C	-88	-88	19	134	GN
2019/20-5	Lab	srgt method blank	5/29/2020	Organic	p-Terphenyl-d14	n/a	<	0	µg/L	EPA 625.1	-88	-88			GN
2019/20-5	Lab	srgt method blank, rec	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	0	%	EPA 625.1	-88	-88	44	129	GN
2019/20-5	Lab	srgt LCS	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	29.4	µg/L	EPA 625.1	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	117	%	EPA 625.1	-88	-88	44	129	
2019/20-5	ME-CC	srgt environ	5/22/2020	Organic	p-Terphenyl-d14	n/a	=	3.27	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/22/2020	Organic	p-Terphenyl-d14	n/a	=	65	%	EPA 8270C	-88	-88	19	134	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-CC	srgt environ	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	4.41	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625.1	-88	-88	44	129	
2019/20-5	ME-SCR	srgt environ	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	4.83	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	97	%	EPA 8270C	-88	-88	19	134	
2019/20-5	ME-SCR	srgt environ	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.27	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	85	%	EPA 625.1	-88	-88	44	129	
2019/20-5	ME-VR2	srgt environ	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	5.16	µg/L	EPA 8270C	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	103	%	EPA 8270C	-88	-88	19	134	
2019/20-5	ME-VR2	srgt environ	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.43	µg/L	EPA 625.1	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-CAM	srgt environ	5/21/2020	Organic	p-Terphenyl-d14	n/a	=	1.89	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/21/2020	Organic	p-Terphenyl-d14	n/a	=	38	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-CAM	srgt environ	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	2.74	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	55	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-FIL	srgt environ	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	5.08	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	102	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-FIL	srgt environ	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.43	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-HUE	srgt environ	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	4.69	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-HUE	srgt environ	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.05	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-OJA	srgt environ	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	4.92	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	98	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-OJA	srgt environ	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.31	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-OXN	srgt environ	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	4.79	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-OXN	srgt environ	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	4.16	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-SIM	srgt environ	5/21/2020	Organic	p-Terphenyl-d14	n/a	=	4.19	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/21/2020	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-SIM	srgt environ	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	5.15	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	103	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-SPA	srgt environ	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	4.83	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	97	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-SPA	srgt environ	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	3.97	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-THO	srgt environ	5/21/2020	Organic	p-Terphenyl-d14	n/a	=	3.97	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/21/2020	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-THO	srgt environ	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	4.62	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/29/2020	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 625.1	-88	-88	44	129	
2019/20-5	MO-VEN	srgt environ	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	3.11	µg/L	EPA 8270C	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/8/2020	Organic	p-Terphenyl-d14	n/a	=	62	%	EPA 8270C	-88	-88	19	134	
2019/20-5	MO-VEN	srgt environ	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	2.74	µg/L	EPA 625.1	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/13/2020	Organic	p-Terphenyl-d14	n/a	=	55	%	EPA 625.1	-88	-88	44	129	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Organic	Pyrene	n/a	=	26.6	µg/L	EPA 625.1	0.25	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Organic	Pyrene	n/a	=	106	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Organic	Pyrene	n/a	=	8	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Organic	Pyrene	n/a	=	24.5	µg/L	EPA 625.1	0.25	1			
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Organic	Pyrene	n/a	=	98	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/8/2020	Organic	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1			
2019/20-5	Lab	LCS	5/8/2020	Organic	Pyrene	n/a	=	9.11	µg/L	EPA 8270C	0.04	0.1			
2019/20-5	Lab	LCS, rec	5/8/2020	Organic	Pyrene	n/a	=	91	%	EPA 8270C	-88	-88	26	128	
2019/20-5	Lab	LCS dup	5/8/2020	Organic	Pyrene	n/a	=	9.51	µg/L	EPA 8270C	0.04	0.1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Organic	Pyrene	n/a	=	95	%	EPA 8270C	-88	-88	26	128	
2019/20-5	Lab	LCS, RPD	5/8/2020	Organic	Pyrene	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Organic	Pyrene	n/a	=	26.9	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Organic	Pyrene	n/a	=	108	%	EPA 625.1	-88	-88	70	120	
2019/20-5	Lab	LCS dup	5/13/2020	Organic	Pyrene	n/a	=	29.7	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Organic	Pyrene	n/a	=	119	%	EPA 625.1	-88	-88	70	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Organic	Pyrene	n/a	=	10	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	method blank	5/21/2020	Organic	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1			
2019/20-5	Lab	LCS	5/21/2020	Organic	Pyrene	n/a	=	6.8	µg/L	EPA 8270C	0.04	0.1			
2019/20-5	Lab	LCS, rec	5/21/2020	Organic	Pyrene	n/a	=	68	%	EPA 8270C	-88	-88	26	128	
2019/20-5	Lab	LCS dup	5/22/2020	Organic	Pyrene	n/a	=	6.06	µg/L	EPA 8270C	0.04	0.1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Organic	Pyrene	n/a	=	61	%	EPA 8270C	-88	-88	26	128	
2019/20-5	Lab	LCS, RPD	5/22/2020	Organic	Pyrene	n/a	=	11	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/29/2020	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	LCS	5/29/2020	Organic	Pyrene	n/a	=	28.4	µg/L	EPA 625.1	0.25	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Organic	Pyrene	n/a	=	114	%	EPA 625.1	-88	-88	70	120	
2019/20-5	000NONPJ	srgt matrix spike	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.067	µg/L	EPA 608.3	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608.3	-88	-88	32	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0683	µg/L	EPA 608.3	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608.3	-88	-88	32	130	
2019/20-5	Lab	srgt method blank	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.076	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	76	%	EPA 608.3	-88	-88	32	130	
2019/20-5	Lab	srgt LCS	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0769	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	77	%	EPA 608.3	-88	-88	32	130	
2019/20-5	Lab	srgt method blank	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0806	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt method blank, rec	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	81	%	EPA 608.3	-88	-88	32	130	
2019/20-5	Lab	srgt LCS	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0846	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt LCS, rec	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	85	%	EPA 608.3	-88	-88	32	130	
2019/20-5	Lab	srgt method blank	6/3/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0771	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt method blank, rec	6/3/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	77	%	EPA 608.3	-88	-88	32	130	
2019/20-5	Lab	srgt LCS	6/3/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0847	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt LCS, rec	6/3/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	85	%	EPA 608.3	-88	-88	32	130	
2019/20-5	Lab	srgt LCS dup	6/3/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0717	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt LCS dup, rec	6/3/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608.3	-88	-88	32	130	
2019/20-5	ME-CC	srgt matrix spike	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0702	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-CC	srgt matrix spike, rec	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608.3	-88	-88	32	130	
2019/20-5	ME-CC	srgt matrix spike dup	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.059	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-CC	srgt matrix spike dup, rec	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608.3	-88	-88	32	130	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-CC	srgt environ	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0651	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	65	%	EPA 608.3	-88	-88	35	111	
2019/20-5	ME-SCR	srgt environ	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0764	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	76	%	EPA 608.3	-88	-88	35	111	
2019/20-5	ME-VR2	srgt environ	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0803	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	80	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-CAM	srgt environ	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0463	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	46	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-FIL	srgt environ	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0843	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	84	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-HUE	srgt environ	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0617	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	62	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-MPK	srgt environ	6/3/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0591	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	6/3/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-OJA	srgt environ	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0754	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	75	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-OXN	srgt environ	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0693	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	69	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-SIM	srgt environ	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0841	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	84	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-SPA	srgt environ	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0505	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/11/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	51	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-THO	srgt environ	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0752	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	6/2/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	75	%	EPA 608.3	-88	-88	35	111	
2019/20-5	MO-VEN	srgt environ	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0568	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/12/2020	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608.3	-88	-88	35	111	
2019/20-5	000NONPJ	srgt matrix spike	5/14/2020	Organic	Triphenylphosphate	n/a	=	1.63	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	000NONPJ	srgt matrix spike, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	326	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-5	000NONPJ	srgt matrix spike dup	5/14/2020	Organic	Triphenylphosphate	n/a	=	1.17	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	235	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-5	000NONPJ	srgt matrix spike	5/14/2020	Organic	Triphenylphosphate	n/a	=	6.09	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/14/2020	Organic	Triphenylphosphate	n/a	=	6.02	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/14/2020	Organic	Triphenylphosphate	n/a	=	1.1	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	220	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-5	000NONPJ	srgt matrix spike	5/15/2020	Organic	Triphenylphosphate	n/a	=	0.8	µg/L	EPA 525.2m	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/15/2020	Organic	Triphenylphosphate	n/a	=	160	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	000NONPJ	srgt matrix spike	5/21/2020	Organic	Triphenylphosphate	n/a	=	5.63	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/21/2020	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	srgt matrix spike dup	5/21/2020	Organic	Triphenylphosphate	n/a	=	5.68	µg/L	EPA 525.2	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/21/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	4/30/2020	Organic	Triphenylphosphate	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	4/30/2020	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	4/30/2020	Organic	Triphenylphosphate	n/a	=	5.77	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	4/30/2020	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS dup	4/30/2020	Organic	Triphenylphosphate	n/a	=	5.83	µg/L	EPA 525.2	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	srgt LCS dup, rec	4/30/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	5/14/2020	Organic	Triphenylphosphate	n/a	=	0.783	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	157	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	Lab	srgt LCS	5/14/2020	Organic	Triphenylphosphate	n/a	=	0.786	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	157	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	Lab	srgt method blank	5/14/2020	Organic	Triphenylphosphate	n/a	=	5.18	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	5/14/2020	Organic	Triphenylphosphate	n/a	=	5.7	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt method blank	5/14/2020	Organic	Triphenylphosphate	n/a	=	0.813	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	163	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	Lab	srgt LCS	5/14/2020	Organic	Triphenylphosphate	n/a	=	1.04	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	Lab	srgt LCS, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	208	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-5	Lab	srgt method blank	5/20/2020	Organic	Triphenylphosphate	n/a	=	4.86	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/20/2020	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	5/20/2020	Organic	Triphenylphosphate	n/a	=	5.66	µg/L	EPA 525.2	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/20/2020	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	srgt LCS	6/11/2020	Organic	Triphenylphosphate	n/a	=	0.605	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt LCS, rec	6/11/2020	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	Lab	srgt method blank	6/12/2020	Organic	Triphenylphosphate	n/a	=	0.599	µg/L	EPA 525.2m	-88	-88			
2019/20-5	Lab	srgt method blank, rec	6/12/2020	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	ME-CC	srgt environ	5/21/2020	Organic	Triphenylphosphate	n/a	=	5.83	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	5/21/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	ME-CC	srgt matrix spike	6/11/2020	Organic	Triphenylphosphate	n/a	=	0.639	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-CC	srgt matrix spike, rec	6/11/2020	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	ME-CC	srgt matrix spike dup	6/11/2020	Organic	Triphenylphosphate	n/a	=	0.683	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-CC	srgt matrix spike dup, rec	6/11/2020	Organic	Triphenylphosphate	n/a	=	137	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	ME-CC	srgt environ	6/12/2020	Organic	Triphenylphosphate	n/a	=	0.696	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	6/12/2020	Organic	Triphenylphosphate	n/a	=	139	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	ME-SCR	srgt environ	4/30/2020	Organic	Triphenylphosphate	n/a	=	5.72	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	4/30/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	ME-SCR	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	7.82	µg/L	EPA 525.2m	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	156	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	ME-VR2	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	8.83	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	ME-VR2	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	177	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-5	ME-VR2	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	5.79	µg/L	EPA 525.2	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-CAM	srgt environ	5/21/2020	Organic	Triphenylphosphate	n/a	=	5.73	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	5/21/2020	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-CAM	srgt environ	6/12/2020	Organic	Triphenylphosphate	n/a	=	0.639	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	6/12/2020	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	MO-FIL	srgt environ	4/30/2020	Organic	Triphenylphosphate	n/a	=	5.68	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	4/30/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-FIL	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	7.9	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	158	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	MO-HUE	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	10.6	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	MO-HUE	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	212	%	EPA 525.2m	-88	-88	40	163	GN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	MO-HUE	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	29.7	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-MPK	srgt environ	5/15/2020	Organic	Triphenylphosphate	n/a	=	6.02	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	5/15/2020	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-MPK	srgt environ	6/12/2020	Organic	Triphenylphosphate	n/a	=	0.771	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	6/12/2020	Organic	Triphenylphosphate	n/a	=	154	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	MO-OJA	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	8.94	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	MO-OJA	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	179	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-5	MO-OJA	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	5.81	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-OXN	srgt environ	4/30/2020	Organic	Triphenylphosphate	n/a	=	5.82	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	4/30/2020	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-OXN	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	11.3	µg/L	EPA 525.2m	-88	-88			GN
2019/20-5	MO-OXN	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	226	%	EPA 525.2m	-88	-88	40	163	GN
2019/20-5	MO-SIM	srgt environ	5/21/2020	Organic	Triphenylphosphate	n/a	=	5.36	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	5/21/2020	Organic	Triphenylphosphate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-SIM	srgt environ	6/12/2020	Organic	Triphenylphosphate	n/a	=	0.585	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	6/12/2020	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	MO-SPA	srgt environ	4/30/2020	Organic	Triphenylphosphate	n/a	=	5.77	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	4/30/2020	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-SPA	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	0.799	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	160	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	MO-THO	srgt environ	5/21/2020	Organic	Triphenylphosphate	n/a	=	5.46	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	5/21/2020	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-THO	srgt environ	6/12/2020	Organic	Triphenylphosphate	n/a	=	0.607	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	6/12/2020	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	MO-VEN	srgt environ	4/30/2020	Organic	Triphenylphosphate	n/a	=	5.69	µg/L	EPA 525.2	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	4/30/2020	Organic	Triphenylphosphate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	MO-VEN	srgt environ	5/14/2020	Organic	Triphenylphosphate	n/a	=	8.09	µg/L	EPA 525.2m	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/14/2020	Organic	Triphenylphosphate	n/a	=	162	%	EPA 525.2m	-88	-88	40	163	
2019/20-5	000NONPJ	srgt matrix spike	5/11/2020	PCB	PCB 209	n/a	=	0.0708	µg/L	EPA 608.3	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike, rec	5/11/2020	PCB	PCB 209	n/a	=	67	%	EPA 608.3	-88	-88	33	133	
2019/20-5	000NONPJ	srgt matrix spike dup	5/11/2020	PCB	PCB 209	n/a	=	0.0724	µg/L	EPA 608.3	-88	-88			
2019/20-5	000NONPJ	srgt matrix spike dup, rec	5/11/2020	PCB	PCB 209	n/a	=	72	%	EPA 608.3	-88	-88	33	133	
2019/20-5	Lab	srgt method blank	5/11/2020	PCB	PCB 209	n/a	=	0.0881	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt method blank, rec	5/11/2020	PCB	PCB 209	n/a	=	88	%	EPA 608.3	-88	-88	33	133	
2019/20-5	Lab	srgt LCS	5/11/2020	PCB	PCB 209	n/a	=	0.0947	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt LCS, rec	5/11/2020	PCB	PCB 209	n/a	=	95	%	EPA 608.3	-88	-88	33	133	
2019/20-5	Lab	srgt method blank	6/2/2020	PCB	PCB 209	n/a	=	0.0959	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt method blank, rec	6/2/2020	PCB	PCB 209	n/a	=	96	%	EPA 608.3	-88	-88	33	133	
2019/20-5	Lab	srgt LCS	6/2/2020	PCB	PCB 209	n/a	=	0.0996	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt LCS, rec	6/2/2020	PCB	PCB 209	n/a	=	100	%	EPA 608.3	-88	-88	33	133	
2019/20-5	Lab	srgt method blank	6/3/2020	PCB	PCB 209	n/a	=	0.104	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt method blank, rec	6/3/2020	PCB	PCB 209	n/a	=	104	%	EPA 608.3	-88	-88	33	133	
2019/20-5	Lab	srgt LCS	6/3/2020	PCB	PCB 209	n/a	=	0.0999	µg/L	EPA 608.3	-88	-88			
2019/20-5	Lab	srgt LCS, rec	6/3/2020	PCB	PCB 209	n/a	=	100	%	EPA 608.3	-88	-88	33	133	
2019/20-5	Lab	srgt LCS dup	6/3/2020	PCB	PCB 209	n/a	=	0.108	µg/L	EPA 608.3	-88	-88			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	srgt LCS dup, rec	6/3/2020	PCB	PCB 209	n/a	=	108	%	EPA 608.3	-88	-88	33	133	
2019/20-5	ME-CC	srgt matrix spike	6/2/2020	PCB	PCB 209	n/a	=	0.0968	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-CC	srgt matrix spike, rec	6/2/2020	PCB	PCB 209	n/a	=	97	%	EPA 608.3	-88	-88	33	133	
2019/20-5	ME-CC	srgt matrix spike dup	6/2/2020	PCB	PCB 209	n/a	=	0.0793	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-CC	srgt matrix spike dup, rec	6/2/2020	PCB	PCB 209	n/a	=	79	%	EPA 608.3	-88	-88	33	133	
2019/20-5	ME-CC	srgt environ	6/2/2020	PCB	PCB 209	n/a	=	0.093	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-CC	srgt environ, rec	6/2/2020	PCB	PCB 209	n/a	=	93	%	EPA 608.3	-88	-88	34	125	
2019/20-5	ME-SCR	srgt environ	5/11/2020	PCB	PCB 209	n/a	=	0.0829	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-SCR	srgt environ, rec	5/11/2020	PCB	PCB 209	n/a	=	83	%	EPA 608.3	-88	-88	34	125	
2019/20-5	ME-VR2	srgt environ	5/12/2020	PCB	PCB 209	n/a	=	0.0946	µg/L	EPA 608.3	-88	-88			
2019/20-5	ME-VR2	srgt environ, rec	5/12/2020	PCB	PCB 209	n/a	=	95	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-CAM	srgt environ	6/2/2020	PCB	PCB 209	n/a	=	0.0675	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-CAM	srgt environ, rec	6/2/2020	PCB	PCB 209	n/a	=	68	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-FIL	srgt environ	5/11/2020	PCB	PCB 209	n/a	=	0.1	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-FIL	srgt environ, rec	5/11/2020	PCB	PCB 209	n/a	=	100	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-HUE	srgt environ	5/12/2020	PCB	PCB 209	n/a	=	0.0746	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-HUE	srgt environ, rec	5/12/2020	PCB	PCB 209	n/a	=	75	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-MPK	srgt environ	6/3/2020	PCB	PCB 209	n/a	=	0.0777	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-MPK	srgt environ, rec	6/3/2020	PCB	PCB 209	n/a	=	78	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-OJA	srgt environ	5/12/2020	PCB	PCB 209	n/a	=	0.104	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-OJA	srgt environ, rec	5/12/2020	PCB	PCB 209	n/a	=	104	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-OXN	srgt environ	5/12/2020	PCB	PCB 209	n/a	=	0.0809	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-OXN	srgt environ, rec	5/12/2020	PCB	PCB 209	n/a	=	81	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-SIM	srgt environ	6/2/2020	PCB	PCB 209	n/a	=	0.108	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-SIM	srgt environ, rec	6/2/2020	PCB	PCB 209	n/a	=	108	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-SPA	srgt environ	5/11/2020	PCB	PCB 209	n/a	=	0.071	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-SPA	srgt environ, rec	5/11/2020	PCB	PCB 209	n/a	=	71	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-THO	srgt environ	6/2/2020	PCB	PCB 209	n/a	=	0.102	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-THO	srgt environ, rec	6/2/2020	PCB	PCB 209	n/a	=	102	%	EPA 608.3	-88	-88	34	125	
2019/20-5	MO-VEN	srgt environ	5/12/2020	PCB	PCB 209	n/a	=	0.0744	µg/L	EPA 608.3	-88	-88			
2019/20-5	MO-VEN	srgt environ, rec	5/12/2020	PCB	PCB 209	n/a	=	74	%	EPA 608.3	-88	-88	34	125	
2019/20-5	Lab	method blank	5/11/2020	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-5	Lab	method blank	6/2/2020	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-5	Lab	method blank	6/3/2020	PCB	PCB Aroclor 1016	n/a	<	0.029	µg/L	EPA 608.3	0.029	0.5			
2019/20-5	Lab	method blank	5/11/2020	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-5	Lab	method blank	6/2/2020	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-5	Lab	method blank	6/3/2020	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-5	Lab	method blank	5/11/2020	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-5	Lab	method blank	6/2/2020	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-5	Lab	method blank	6/3/2020	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5			
2019/20-5	Lab	method blank	5/11/2020	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-5	Lab	method blank	6/2/2020	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-5	Lab	method blank	6/3/2020	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5			
2019/20-5	Lab	method blank	5/11/2020	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-5	Lab	method blank	6/2/2020	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-5	Lab	method blank	6/3/2020	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5			
2019/20-5	Lab	method blank	5/11/2020	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	6/2/2020	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			
2019/20-5	Lab	method blank	6/3/2020	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5			
2019/20-5	Lab	method blank	5/11/2020	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-5	Lab	method blank	6/2/2020	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-5	Lab	method blank	6/3/2020	PCB	PCB Aroclor 1260	n/a	<	0.055	µg/L	EPA 608.3	0.055	0.5			
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	2,4,5-T	n/a	=	3.71	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	2,4,5-T	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	2,4,5-T	n/a	=	3.84	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	2,4,5-T	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	2,4,5-T	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	2,4,5-T	n/a	=	3.92	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	2,4,5-T	n/a	=	4.03	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	2,4,5-T	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	2,4,5-T	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	2,4,5-T	n/a	=	3.92	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	2,4,5-T	n/a	=	3.96	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	2,4,5-T	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	2,4,5-T	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	2,4,5-T	n/a	=	3.84	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	2,4,5-T	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	2,4,5-T	n/a	=	3.91	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	2,4,5-T	n/a	=	3.95	µg/L	EPA 515.4	0.055	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	2,4,5-T	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	2,4,5-TP	n/a	=	3.6	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	2,4,5-TP	n/a	=	3.81	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	2,4,5-TP	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	2,4,5-TP	n/a	=	6	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	2,4,5-TP	n/a	=	3.86	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	2,4,5-TP	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	2,4,5-TP	n/a	=	3.88	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	2,4,5-TP	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	2,4,5-TP	n/a	=	0.5	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	2,4,5-TP	n/a	=	3.74	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	2,4,5-TP	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	2,4,5-TP	n/a	=	4.02	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	2,4,5-TP	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	2,4,5-TP	n/a	=	7	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	2,4,5-TP	n/a	=	3.72	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	2,4,5-TP	n/a	=	93	%	EPA 515.4	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	2,4,5-TP	n/a	=	3.9	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	2,4,5-TP	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	2,4,5-TP	n/a	=	3.84	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	2,4,5-TP	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	2,4-D	n/a	=	7.57	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	2,4-D	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	2,4-D	n/a	=	7.51	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	2,4-D	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	2,4-D	n/a	=	0.8	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	2,4-D	n/a	=	9.23	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	2,4-D	n/a	=	115	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	2,4-D	n/a	=	9.12	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	2,4-D	n/a	=	114	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	2,4-D	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	2,4-D	n/a	=	7.98	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	2,4-D	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	2,4-D	n/a	=	8.13	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	2,4-D	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	2,4-D	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	2,4-D	n/a	=	7.95	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	2,4-D	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	2,4-D	n/a	=	7.81	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	2,4-D	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	2,4-D	n/a	=	8.08	µg/L	EPA 515.4	0.14	0.4			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	2,4-D	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	2,4-DB	n/a	=	14	µg/L	EPA 515.4	0.19	2			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	2,4-DB	n/a	=	87	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	2,4-DB	n/a	=	14.5	µg/L	EPA 515.4	0.19	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	2,4-DB	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	2,4-DB	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	2,4-DB	n/a	=	18.7	µg/L	EPA 515.4	0.19	2			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	2,4-DB	n/a	=	117	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	2,4-DB	n/a	=	18.3	µg/L	EPA 515.4	0.19	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	2,4-DB	n/a	=	115	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	2,4-DB	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	2,4-DB	n/a	=	15.3	µg/L	EPA 515.4	0.19	2			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	2,4-DB	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	2,4-DB	n/a	=	16	µg/L	EPA 515.4	0.19	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	2,4-DB	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	2,4-DB	n/a	=	5	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	2,4-DB	n/a	=	15.5	µg/L	EPA 515.4	0.19	2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	2,4-DB	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	2,4-DB	n/a	=	17.3	µg/L	EPA 515.4	0.19	2			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	2,4-DB	n/a	=	108	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	2,4-DB	n/a	=	15.7	µg/L	EPA 515.4	0.19	2			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	2,4-DB	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.15	µg/L	EPA 515.4	0.12	1			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.55	µg/L	EPA 515.4	0.12	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.6	µg/L	EPA 515.4	0.12	1			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	107	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.79	µg/L	EPA 515.4	0.12	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	110	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.79	µg/L	EPA 515.4	0.12	1			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.13	µg/L	EPA 515.4	0.12	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.95	µg/L	EPA 515.4	0.12	1			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.87	µg/L	EPA 515.4	0.12	1			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.28	µg/L	EPA 515.4	0.12	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	104	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.0693	µg/L	EPA 608.3	0.007	0.5			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	4,4'-DDD	n/a	=	66	%	EPA 608.3	-88	-88	31	141	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.073	µg/L	EPA 608.3	0.007	0.5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	4,4'-DDD	n/a	=	73	%	EPA 608.3	-88	-88	31	141	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	4,4'-DDD	n/a	=	5	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	4,4'-DDD	n/a	=	0.0916	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	4,4'-DDD	n/a	=	92	%	EPA 608.3	-88	-88	48	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	4,4'-DDD	n/a	=	0.0867	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	4,4'-DDD	n/a	=	87	%	EPA 608.3	-88	-88	48	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	4,4'-DDD	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	4,4'-DDD	n/a	=	0.0919	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	4,4'-DDD	n/a	=	92	%	EPA 608.3	-88	-88	48	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	4,4'-DDD	n/a	=	0.0899	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	4,4'-DDD	n/a	=	90	%	EPA 608.3	-88	-88	48	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	4,4'-DDD	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.074	µg/L	EPA 608.3	0.0035	0.25			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	4,4'-DDD	n/a	=	74	%	EPA 608.3	-88	-88	31	141	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	4,4'-DDD	n/a	DNQ	0.0621	µg/L	EPA 608.3	0.0035	0.25			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	4,4'-DDD	n/a	=	62	%	EPA 608.3	-88	-88	31	141	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	4,4'-DDD	n/a	=	18	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.0719	µg/L	EPA 608.3	0.007	0.5			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	4,4'-DDE	n/a	=	68	%	EPA 608.3	-88	-88	30	145	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.0743	µg/L	EPA 608.3	0.007	0.5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	4,4'-DDE	n/a	=	74	%	EPA 608.3	-88	-88	30	145	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	4,4'-DDE	n/a	=	3	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	4,4'-DDE	n/a	=	0.0868	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	4,4'-DDE	n/a	=	87	%	EPA 608.3	-88	-88	54	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	4,4'-DDE	n/a	=	0.11	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	4,4'-DDE	n/a	=	110	%	EPA 608.3	-88	-88	54	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	4,4'-DDE	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	4,4'-DDE	n/a	=	0.117	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	4,4'-DDE	n/a	=	117	%	EPA 608.3	-88	-88	54	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	4,4'-DDE	n/a	=	0.114	µg/L	EPA 608.3	0.0007	0.05			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	4,4'-DDE	n/a	=	114	%	EPA 608.3	-88	-88	54	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	4,4'-DDE	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.0928	µg/L	EPA 608.3	0.0035	0.25			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	4,4'-DDE	n/a	=	93	%	EPA 608.3	-88	-88	30	145	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	4,4'-DDE	n/a	DNQ	0.075	µg/L	EPA 608.3	0.0035	0.25			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	4,4'-DDE	n/a	=	75	%	EPA 608.3	-88	-88	30	145	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	4,4'-DDE	n/a	=	21	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	4,4'-DDT	n/a	DNQ	0.0649	µg/L	EPA 608.3	0.011	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	4,4'-DDT	n/a	=	62	%	EPA 608.3	-88	-88	25	160	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	4,4'-DDT	n/a	DNQ	0.0622	µg/L	EPA 608.3	0.011	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	4,4'-DDT	n/a	=	62	%	EPA 608.3	-88	-88	25	160	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	4,4'-DDT	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	4,4'-DDT	n/a	=	0.101	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	4,4'-DDT	n/a	=	101	%	EPA 608.3	-88	-88	46	137	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	4,4'-DDT	n/a	=	0.12	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	4,4'-DDT	n/a	=	120	%	EPA 608.3	-88	-88	46	137	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	4,4'-DDT	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	4,4'-DDT	n/a	=	0.13	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	4,4'-DDT	n/a	=	130	%	EPA 608.3	-88	-88	46	137	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	4,4'-DDT	n/a	=	0.133	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	4,4'-DDT	n/a	=	133	%	EPA 608.3	-88	-88	46	137	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	4,4'-DDT	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	4,4'-DDT	n/a	=	0.107	µg/L	EPA 608.3	0.0055	0.05			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	4,4'-DDT	n/a	=	107	%	EPA 608.3	-88	-88	25	160	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	4,4'-DDT	n/a	=	0.0875	µg/L	EPA 608.3	0.0055	0.05			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	4,4'-DDT	n/a	=	88	%	EPA 608.3	-88	-88	25	160	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	4,4'-DDT	n/a	=	20	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Acifluorfen	n/a	=	3.93	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Acifluorfen	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Acifluorfen	n/a	=	4.05	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Acifluorfen	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Acifluorfen	n/a	=	4.65	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Acifluorfen	n/a	=	116	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	Acifluorfen	n/a	=	4.54	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	Acifluorfen	n/a	=	114	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	Acifluorfen	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	Acifluorfen	n/a	=	3.92	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	Acifluorfen	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	Acifluorfen	n/a	=	4.07	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	Acifluorfen	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	Acifluorfen	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Acifluorfen	n/a	=	3.82	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Acifluorfen	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	Acifluorfen	n/a	=	4.36	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	Acifluorfen	n/a	=	109	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Acifluorfen	n/a	=	3.99	µg/L	EPA 515.4	0.072	0.4			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Acifluorfen	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Alachlor	n/a	=	7.33	µg/L	EPA 525.2	0.022	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Alachlor	n/a	=	147	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Alachlor	n/a	=	7.47	µg/L	EPA 525.2	0.022	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Alachlor	n/a	=	149	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Alachlor	n/a	=	5.14	µg/L	EPA 525.2	0.022	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Alachlor	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Alachlor	n/a	=	5.2	µg/L	EPA 525.2	0.022	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Alachlor	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Alachlor	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Alachlor	n/a	=	6.1	µg/L	EPA 525.2	0.022	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Alachlor	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Alachlor	n/a	=	6.22	µg/L	EPA 525.2	0.022	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Alachlor	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Alachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Alachlor	n/a	=	6.27	µg/L	EPA 525.2	0.022	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Alachlor	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Alachlor	n/a	=	5.29	µg/L	EPA 525.2	0.022	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Alachlor	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Aldrin	n/a	=	0.0646	µg/L	EPA 608.3	0.01	0.05			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Aldrin	n/a	=	61	%	EPA 608.3	-88	-88	42	140	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Aldrin	n/a	=	0.0678	µg/L	EPA 608.3	0.01	0.05			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Aldrin	n/a	=	68	%	EPA 608.3	-88	-88	42	140	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Aldrin	n/a	=	5	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Aldrin	n/a	=	0.0826	µg/L	EPA 608.3	0.001	0.005			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Aldrin	n/a	=	83	%	EPA 608.3	-88	-88	54	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Aldrin	n/a	=	0.0934	µg/L	EPA 608.3	0.001	0.005			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Aldrin	n/a	=	93	%	EPA 608.3	-88	-88	54	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Aldrin	n/a	<	0.001	µg/L	EPA 608.3	0.001	0.005			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Aldrin	n/a	=	0.0958	µg/L	EPA 608.3	0.001	0.005			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Aldrin	n/a	=	96	%	EPA 608.3	-88	-88	54	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Aldrin	n/a	=	0.0886	µg/L	EPA 608.3	0.001	0.005			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Aldrin	n/a	=	89	%	EPA 608.3	-88	-88	54	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Aldrin	n/a	=	8	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Aldrin	n/a	=	0.075	µg/L	EPA 608.3	0.005	0.025			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Aldrin	n/a	=	75	%	EPA 608.3	-88	-88	42	140	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Aldrin	n/a	=	0.0653	µg/L	EPA 608.3	0.005	0.025			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Aldrin	n/a	=	65	%	EPA 608.3	-88	-88	42	140	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Aldrin	n/a	=	14	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	alpha-BHC	n/a	DNQ	0.0681	µg/L	EPA 608.3	0.011	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	alpha-BHC	n/a	=	65	%	EPA 608.3	-88	-88	37	140	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	alpha-BHC	n/a	DNQ	0.071	µg/L	EPA 608.3	0.011	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	alpha-BHC	n/a	=	71	%	EPA 608.3	-88	-88	37	140	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	alpha-BHC	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	alpha-BHC	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	alpha-BHC	n/a	=	0.0774	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	alpha-BHC	n/a	=	77	%	EPA 608.3	-88	-88	49	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	alpha-BHC	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	alpha-BHC	n/a	=	0.0968	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	alpha-BHC	n/a	=	97	%	EPA 608.3	-88	-88	49	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	alpha-BHC	n/a	<	0.0011	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	alpha-BHC	n/a	=	0.103	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	alpha-BHC	n/a	=	103	%	EPA 608.3	-88	-88	49	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	alpha-BHC	n/a	=	0.0802	µg/L	EPA 608.3	0.0011	0.01			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	alpha-BHC	n/a	=	80	%	EPA 608.3	-88	-88	49	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	alpha-BHC	n/a	=	25	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	alpha-BHC	n/a	=	0.0739	µg/L	EPA 608.3	0.0055	0.05			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	alpha-BHC	n/a	=	74	%	EPA 608.3	-88	-88	37	140	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	alpha-BHC	n/a	=	0.0571	µg/L	EPA 608.3	0.0055	0.05			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	alpha-BHC	n/a	=	57	%	EPA 608.3	-88	-88	37	140	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	alpha-BHC	n/a	=	26	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			
2019/20-5	Lab	method blank	6/3/2020	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01			
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Atrazine	n/a	=	5.46	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Atrazine	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Atrazine	n/a	=	5.73	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Atrazine	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Atrazine	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Atrazine	n/a	=	5.99	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Atrazine	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Atrazine	n/a	=	6.03	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Atrazine	n/a	=	121	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Atrazine	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Atrazine	n/a	=	5.37	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Atrazine	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Atrazine	n/a	=	5.96	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Atrazine	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Atrazine	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Atrazine	n/a	=	5.36	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Atrazine	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Atrazine	n/a	=	5.98	µg/L	EPA 525.2	0.034	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Atrazine	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Azinphos methyl	n/a	=	0.272	µg/L	EPA 525.2m	0.0055	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Azinphos methyl	n/a	=	545	%	EPA 525.2m	-88	-88	0.1	154	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Azinphos methyl	n/a	=	0.241	µg/L	EPA 525.2m	0.0055	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Azinphos methyl	n/a	=	482	%	EPA 525.2m	-88	-88	0.1	154	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Azinphos methyl	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Azinphos methyl	n/a	=	0.192	µg/L	EPA 525.2m	0.0055	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Azinphos methyl	n/a	=	383	%	EPA 525.2m	-88	-88	0.1	154	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Azinphos methyl	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Azinphos methyl	n/a	=	0.164	µg/L	EPA 525.2m	0.0055	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Azinphos methyl	n/a	=	327	%	EPA 525.2m	-88	-88	0.1	154	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Azinphos methyl	n/a	=	0.0668	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Azinphos methyl	n/a	=	134	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Azinphos methyl	n/a	=	0.0846	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Azinphos methyl	n/a	=	169	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Azinphos methyl	n/a	=	0.041	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Azinphos methyl	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Azinphos methyl	n/a	=	0.155	µg/L	EPA 525.2m	0.0055	0.01			GB
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Azinphos methyl	n/a	=	309	%	EPA 525.2m	-88	-88	0.1	154	GB
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Azinphos methyl	n/a	=	0.19	µg/L	EPA 525.2m	0.0055	0.01			GB
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Azinphos methyl	n/a	=	380	%	EPA 525.2m	-88	-88	0.1	154	GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Azinphos methyl	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Bentazon	n/a	=	14.7	µg/L	EPA 515.4	0.23	2			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Bentazon	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Bentazon	n/a	=	15.1	µg/L	EPA 515.4	0.23	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Bentazon	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Bentazon	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Bentazon	n/a	=	15.9	µg/L	EPA 515.4	0.23	2			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Bentazon	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	Bentazon	n/a	=	15.8	µg/L	EPA 515.4	0.23	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	Bentazon	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	Bentazon	n/a	=	0.8	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	Bentazon	n/a	=	14.9	µg/L	EPA 515.4	0.23	2			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	Bentazon	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	Bentazon	n/a	=	15.9	µg/L	EPA 515.4	0.23	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	Bentazon	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	Bentazon	n/a	=	7	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Bentazon	n/a	=	15.1	µg/L	EPA 515.4	0.23	2			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Bentazon	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	Bentazon	n/a	=	15.3	µg/L	EPA 515.4	0.23	2			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	Bentazon	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Bentazon	n/a	=	15.4	µg/L	EPA 515.4	0.23	2			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Bentazon	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	beta-BHC	n/a	=	0.0753	µg/L	EPA 608.3	0.015	0.05			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	beta-BHC	n/a	=	72	%	EPA 608.3	-88	-88	17	147	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	beta-BHC	n/a	=	0.0787	µg/L	EPA 608.3	0.015	0.05			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	beta-BHC	n/a	=	79	%	EPA 608.3	-88	-88	17	147	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	beta-BHC	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	beta-BHC	n/a	=	0.0934	µg/L	EPA 608.3	0.0015	0.005			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	beta-BHC	n/a	=	93	%	EPA 608.3	-88	-88	39	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	beta-BHC	n/a	=	0.105	µg/L	EPA 608.3	0.0015	0.005			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	beta-BHC	n/a	=	105	%	EPA 608.3	-88	-88	39	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	beta-BHC	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	beta-BHC	n/a	=	0.113	µg/L	EPA 608.3	0.0015	0.005			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	beta-BHC	n/a	=	113	%	EPA 608.3	-88	-88	39	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	beta-BHC	n/a	=	0.101	µg/L	EPA 608.3	0.0015	0.005			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	beta-BHC	n/a	=	101	%	EPA 608.3	-88	-88	39	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	beta-BHC	n/a	=	11	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	beta-BHC	n/a	=	0.0907	µg/L	EPA 608.3	0.0075	0.025			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	beta-BHC	n/a	=	91	%	EPA 608.3	-88	-88	17	147	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	beta-BHC	n/a	=	0.0728	µg/L	EPA 608.3	0.0075	0.025			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	beta-BHC	n/a	=	73	%	EPA 608.3	-88	-88	17	147	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	beta-BHC	n/a	=	22	%	EPA 608.3	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Bolstar	n/a	=	0.164	µg/L	EPA 525.2m	0.0046	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Bolstar	n/a	=	328	%	EPA 525.2m	-88	-88	4	184	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Bolstar	n/a	=	0.124	µg/L	EPA 525.2m	0.0046	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Bolstar	n/a	=	247	%	EPA 525.2m	-88	-88	4	184	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Bolstar	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Bolstar	n/a	=	0.125	µg/L	EPA 525.2m	0.0046	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Bolstar	n/a	=	249	%	EPA 525.2m	-88	-88	4	184	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Bolstar	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Bolstar	n/a	=	0.102	µg/L	EPA 525.2m	0.0046	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Bolstar	n/a	=	204	%	EPA 525.2m	-88	-88	4	184	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Bolstar	n/a	=	0.0307	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Bolstar	n/a	=	61	%	EPA 525.2m	-88	-88	11	166	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Bolstar	n/a	=	0.0542	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Bolstar	n/a	=	108	%	EPA 525.2m	-88	-88	11	166	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Bolstar	n/a	=	0.0467	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Bolstar	n/a	=	93	%	EPA 525.2m	-88	-88	11	166	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Bolstar	n/a	=	0.052	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Bolstar	n/a	=	104	%	EPA 525.2m	-88	-88	4	184	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Bolstar	n/a	=	0.0666	µg/L	EPA 525.2m	0.0046	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Bolstar	n/a	=	133	%	EPA 525.2m	-88	-88	4	184	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Bolstar	n/a	=	25	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Bromacil	n/a	=	8.57	µg/L	EPA 525.2	0.038	1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Bromacil	n/a	=	171	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Bromacil	n/a	=	9.48	µg/L	EPA 525.2	0.038	1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Bromacil	n/a	=	190	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Bromacil	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Bromacil	n/a	=	5.28	µg/L	EPA 525.2	0.038	1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Bromacil	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Bromacil	n/a	=	5.44	µg/L	EPA 525.2	0.038	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Bromacil	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Bromacil	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Bromacil	n/a	=	5.86	µg/L	EPA 525.2	0.038	1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Bromacil	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Bromacil	n/a	=	6.32	µg/L	EPA 525.2	0.038	1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Bromacil	n/a	=	126	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Bromacil	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Bromacil	n/a	=	6.53	µg/L	EPA 525.2	0.038	1			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Bromacil	n/a	=	131	%	EPA 525.2	-88	-88	70	130	EUM
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Bromacil	n/a	=	5.56	µg/L	EPA 525.2	0.038	1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Bromacil	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Butachlor	n/a	=	7.58	µg/L	EPA 525.2	0.017	0.2			GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Butachlor	n/a	=	152	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Butachlor	n/a	=	7.68	µg/L	EPA 525.2	0.017	0.2			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Butachlor	n/a	=	154	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Butachlor	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Butachlor	n/a	=	5.11	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Butachlor	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Butachlor	n/a	=	5.21	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Butachlor	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Butachlor	n/a	=	5.93	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Butachlor	n/a	=	119	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Butachlor	n/a	=	6.2	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Butachlor	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Butachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Butachlor	n/a	=	6.28	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Butachlor	n/a	=	126	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Butachlor	n/a	=	5.16	µg/L	EPA 525.2	0.017	0.2			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Butachlor	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Captan	n/a	=	7.91	µg/L	EPA 525.2	0.86	1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Captan	n/a	=	158	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Captan	n/a	=	8.9	µg/L	EPA 525.2	0.86	1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Captan	n/a	=	178	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Captan	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Captan	n/a	=	6.09	µg/L	EPA 525.2	0.86	1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Captan	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Captan	n/a	=	6.13	µg/L	EPA 525.2	0.86	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Captan	n/a	=	123	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Captan	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Captan	n/a	=	5.05	µg/L	EPA 525.2	0.86	1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Captan	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Captan	n/a	=	5.12	µg/L	EPA 525.2	0.86	1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Captan	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Captan	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Captan	n/a	=	5.78	µg/L	EPA 525.2	0.86	1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Captan	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Captan	n/a	=	5.77	µg/L	EPA 525.2	0.86	1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Captan	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.1			
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Chloroprotham	n/a	=	5.8	µg/L	EPA 525.2	0.01	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Chloroprotham	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Chloroprotham	n/a	=	6.12	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Chloroprotham	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Chloroprotham	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Chloroprotham	n/a	=	5.81	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Chloroprotham	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Chloroprotham	n/a	=	5.77	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Chloroprotham	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Chloroprotham	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Chloroprotham	n/a	=	5.22	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Chloroprotham	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Chloroprotham	n/a	=	5.69	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Chloroprotham	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Chloroprotham	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Chloroprotham	n/a	=	5.05	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Chloroprotham	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Chloroprotham	n/a	=	5.72	µg/L	EPA 525.2	0.01	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Chloroprotham	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	0.0871	µg/L	EPA 525.2m	0.0069	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	174	%	EPA 525.2m	-88	-88	37	168	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	0.0758	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	152	%	EPA 525.2m	-88	-88	37	168	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	0.0738	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	148	%	EPA 525.2m	-88	-88	37	168	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Chlorpyrifos	n/a	=	0.0782	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Chlorpyrifos	n/a	=	156	%	EPA 525.2m	-88	-88	37	168	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	0.0672	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	134	%	EPA 525.2m	-88	-88	37	169	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	0.073	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Chlorpyrifos	n/a	=	146	%	EPA 525.2m	-88	-88	37	169	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Chlorpyrifos	n/a	=	0.0559	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Chlorpyrifos	n/a	=	112	%	EPA 525.2m	-88	-88	37	169	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Chlorpyrifos	n/a	=	0.0676	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Chlorpyrifos	n/a	=	135	%	EPA 525.2m	-88	-88	37	168	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Chlorpyrifos	n/a	=	0.0727	µg/L	EPA 525.2m	0.0069	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Chlorpyrifos	n/a	=	145	%	EPA 525.2m	-88	-88	37	168	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Chlorpyrifos	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Coumaphos	n/a	=	0.25	µg/L	EPA 525.2m	0.0051	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Coumaphos	n/a	=	500	%	EPA 525.2m	-88	-88	0.1	203	GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Coumaphos	n/a	=	0.253	µg/L	EPA 525.2m	0.0051	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Coumaphos	n/a	=	507	%	EPA 525.2m	-88	-88	0.1	203	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Coumaphos	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Coumaphos	n/a	=	0.182	µg/L	EPA 525.2m	0.0051	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Coumaphos	n/a	=	363	%	EPA 525.2m	-88	-88	0.1	203	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Coumaphos	n/a	=	0.1	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Coumaphos	n/a	=	0.181	µg/L	EPA 525.2m	0.0051	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Coumaphos	n/a	=	363	%	EPA 525.2m	-88	-88	0.1	203	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Coumaphos	n/a	=	0.0821	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Coumaphos	n/a	=	164	%	EPA 525.2m	-88	-88	0.1	225	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Coumaphos	n/a	=	0.11	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Coumaphos	n/a	=	220	%	EPA 525.2m	-88	-88	0.1	225	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Coumaphos	n/a	=	0.0492	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Coumaphos	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	225	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Coumaphos	n/a	=	0.108	µg/L	EPA 525.2m	0.0051	0.01			GB
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Coumaphos	n/a	=	217	%	EPA 525.2m	-88	-88	0.1	203	GB
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Coumaphos	n/a	=	0.124	µg/L	EPA 525.2m	0.0051	0.01			GB
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Coumaphos	n/a	=	248	%	EPA 525.2m	-88	-88	0.1	203	GB
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Coumaphos	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Cyanazine	n/a	=	3.24	µg/L	EPA 525.2	0.024	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Cyanazine	n/a	=	65	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Cyanazine	n/a	=	3.3	µg/L	EPA 525.2	0.024	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Cyanazine	n/a	=	66	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Cyanazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Cyanazine	n/a	=	5.56	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Cyanazine	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Cyanazine	n/a	=	5.76	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Cyanazine	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Cyanazine	n/a	=	4.89	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Cyanazine	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Cyanazine	n/a	=	5.09	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Cyanazine	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Cyanazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Cyanazine	n/a	=	4.9	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Cyanazine	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Cyanazine	n/a	=	5.98	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Cyanazine	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Dalapon	n/a	=	6.72	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Dalapon	n/a	=	84	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Dalapon	n/a	=	7.28	µg/L	EPA 515.4	0.11	0.4			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Dalapon	n/a	=	91	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Dalapon	n/a	=	8	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Dalapon	n/a	=	4.46	µg/L	EPA 515.4	0.11	0.4			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Dalapon	n/a	=	56	%	EPA 515.4	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	Dalapon	n/a	=	5.14	µg/L	EPA 515.4	0.11	0.4			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	Dalapon	n/a	=	64	%	EPA 515.4	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	Dalapon	n/a	=	14	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	Dalapon	n/a	=	10.1	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	Dalapon	n/a	=	126	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	Dalapon	n/a	=	7.97	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	Dalapon	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	Dalapon	n/a	=	23	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Dalapon	n/a	=	7.54	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Dalapon	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	Dalapon	n/a	=	6.81	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	Dalapon	n/a	=	85	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Dalapon	n/a	=	9.21	µg/L	EPA 515.4	0.11	0.4			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Dalapon	n/a	=	115	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.66	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	DCPA (Dacthal)	n/a	=	92	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.82	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	DCPA (Dacthal)	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.2	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	DCPA (Dacthal)	n/a	=	105	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.08	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	DCPA (Dacthal)	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.9	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	DCPA (Dacthal)	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.07	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	DCPA (Dacthal)	n/a	=	102	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.77	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	DCPA (Dacthal)	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	DCPA (Dacthal)	n/a	=	4.06	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	DCPA (Dacthal)	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	DCPA (Dacthal)	n/a	=	3.94	µg/L	EPA 515.4	0.053	0.1			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	DCPA (Dacthal)	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	delta-BHC	n/a	=	0.0668	µg/L	EPA 608.3	0.019	0.05			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	delta-BHC	n/a	=	63	%	EPA 608.3	-88	-88	19	140	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	delta-BHC	n/a	=	0.073	µg/L	EPA 608.3	0.019	0.05			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	delta-BHC	n/a	=	73	%	EPA 608.3	-88	-88	19	140	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	delta-BHC	n/a	=	9	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	delta-BHC	n/a	=	0.084	µg/L	EPA 608.3	0.0019	0.005			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	delta-BHC	n/a	=	84	%	EPA 608.3	-88	-88	51	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	delta-BHC	n/a	=	0.103	µg/L	EPA 608.3	0.0019	0.005			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	delta-BHC	n/a	=	103	%	EPA 608.3	-88	-88	51	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	delta-BHC	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.005			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	delta-BHC	n/a	=	0.114	µg/L	EPA 608.3	0.0019	0.005			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	delta-BHC	n/a	=	114	%	EPA 608.3	-88	-88	51	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	delta-BHC	n/a	=	0.0824	µg/L	EPA 608.3	0.0019	0.005			IL
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	delta-BHC	n/a	=	82	%	EPA 608.3	-88	-88	51	130	IL
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	delta-BHC	n/a	=	32	%	EPA 608.3	-88	-88	0	30	IL
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	delta-BHC	n/a	=	0.0913	µg/L	EPA 608.3	0.0095	0.025			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	delta-BHC	n/a	=	91	%	EPA 608.3	-88	-88	19	140	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	delta-BHC	n/a	=	0.0519	µg/L	EPA 608.3	0.0095	0.025			IL
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	delta-BHC	n/a	=	52	%	EPA 608.3	-88	-88	19	140	IL
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	delta-BHC	n/a	=	55	%	EPA 608.3	-88	-88	0	30	IL
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Demeton-O	n/a	=	0.0704	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Demeton-O	n/a	=	141	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Demeton-O	n/a	=	0.0799	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Demeton-O	n/a	=	160	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Demeton-O	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Demeton-O	n/a	=	0.0684	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Demeton-O	n/a	=	137	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Demeton-O	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Demeton-O	n/a	=	0.0657	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Demeton-O	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Demeton-O	n/a	=	0.0174	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Demeton-O	n/a	=	35	%	EPA 525.2m	-88	-88	0.1	211	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Demeton-O	n/a	=	0.0445	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Demeton-O	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	211	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Demeton-O	n/a	=	0.0232	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Demeton-O	n/a	=	46	%	EPA 525.2m	-88	-88	0.1	211	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Demeton-O	n/a	=	0.042	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Demeton-O	n/a	=	84	%	EPA 525.2m	-88	-88	0.1	208	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Demeton-O	n/a	=	0.0597	µg/L	EPA 525.2m	0.01	0.01			IL
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Demeton-O	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	208	IL
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Demeton-O	n/a	=	35	%	EPA 525.2m	-88	-88	0	30	IL
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Demeton-S	n/a	=	0.149	µg/L	EPA 525.2m	0.01	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Demeton-S	n/a	=	298	%	EPA 525.2m	-88	-88	0.1	207	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Demeton-S	n/a	=	0.132	µg/L	EPA 525.2m	0.01	0.01			GB

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Demeton-S	n/a	=	264	%	EPA 525.2m	-88	-88	0.1	207	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Demeton-S	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Demeton-S	n/a	=	0.112	µg/L	EPA 525.2m	0.01	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Demeton-S	n/a	=	224	%	EPA 525.2m	-88	-88	0.1	207	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Demeton-S	n/a	=	0.3	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Demeton-S	n/a	=	0.111	µg/L	EPA 525.2m	0.01	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Demeton-S	n/a	=	223	%	EPA 525.2m	-88	-88	0.1	207	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Demeton-S	n/a	=	0.0322	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Demeton-S	n/a	=	64	%	EPA 525.2m	-88	-88	0.1	213	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Demeton-S	n/a	=	0.0748	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Demeton-S	n/a	=	150	%	EPA 525.2m	-88	-88	0.1	213	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Demeton-S	n/a	=	0.0407	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Demeton-S	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	213	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Demeton-S	n/a	=	0.0569	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Demeton-S	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	207	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Demeton-S	n/a	=	0.0595	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Demeton-S	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	207	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Demeton-S	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Diazinon	n/a	=	0.0716	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Diazinon	n/a	=	143	%	EPA 525.2m	-88	-88	36	153	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Diazinon	n/a	=	0.0677	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Diazinon	n/a	=	135	%	EPA 525.2m	-88	-88	36	153	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Diazinon	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Diazinon	n/a	=	6.11	µg/L	EPA 525.2	0.096	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Diazinon	n/a	=	122	%	EPA 525.2	-88	-88	50	120	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Diazinon	n/a	=	6.29	µg/L	EPA 525.2	0.096	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Diazinon	n/a	=	126	%	EPA 525.2	-88	-88	50	120	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Diazinon	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Diazinon	n/a	=	0.0541	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Diazinon	n/a	=	108	%	EPA 525.2m	-88	-88	36	153	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Diazinon	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Diazinon	n/a	=	0.0612	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Diazinon	n/a	=	122	%	EPA 525.2m	-88	-88	36	153	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Diazinon	n/a	=	4.8	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Diazinon	n/a	=	4.84	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Diazinon	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Diazinon	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Diazinon	n/a	=	4.01	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Diazinon	n/a	=	80	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Diazinon	n/a	=	4.04	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Diazinon	n/a	=	81	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Diazinon	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Diazinon	n/a	=	0.0482	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2m	-88	-88	43	152	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Diazinon	n/a	=	4.66	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Diazinon	n/a	=	93	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Diazinon	n/a	=	0.0547	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Diazinon	n/a	=	109	%	EPA 525.2m	-88	-88	43	152	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Diazinon	n/a	=	4.89	µg/L	EPA 525.2	0.096	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Diazinon	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Diazinon	n/a	=	0.0386	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Diazinon	n/a	=	77	%	EPA 525.2m	-88	-88	43	152	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Diazinon	n/a	=	0.051	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Diazinon	n/a	=	102	%	EPA 525.2m	-88	-88	36	153	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Diazinon	n/a	=	0.0627	µg/L	EPA 525.2m	0.0052	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Diazinon	n/a	=	125	%	EPA 525.2m	-88	-88	36	153	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Diazinon	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Dicamba	n/a	=	7.42	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Dicamba	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Dicamba	n/a	=	7.49	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Dicamba	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Dicamba	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Dicamba	n/a	=	7.75	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Dicamba	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	Dicamba	n/a	=	7.68	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	Dicamba	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	Dicamba	n/a	=	0.9	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	Dicamba	n/a	=	7.59	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	Dicamba	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	Dicamba	n/a	=	7.92	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	Dicamba	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	Dicamba	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Dicamba	n/a	=	7.44	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Dicamba	n/a	=	93	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	Dicamba	n/a	=	7.59	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	Dicamba	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Dicamba	n/a	=	7.68	µg/L	EPA 515.4	0.075	0.6			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Dicamba	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Dichlorprop	n/a	=	7.58	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Dichlorprop	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Dichlorprop	n/a	=	7.68	µg/L	EPA 515.4	0.12	0.3			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Dichlorprop	n/a	=	96	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Dichlorprop	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Dichlorprop	n/a	=	7.85	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Dichlorprop	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	Dichlorprop	n/a	=	7.79	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	Dichlorprop	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	Dichlorprop	n/a	=	0.8	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	Dichlorprop	n/a	=	7.87	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	Dichlorprop	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	Dichlorprop	n/a	=	8.2	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	Dichlorprop	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Dichlorprop	n/a	=	7.74	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Dichlorprop	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	Dichlorprop	n/a	=	7.91	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Dichlorprop	n/a	=	8.01	µg/L	EPA 515.4	0.12	0.3			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Dichlorvos	n/a	=	0.0508	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Dichlorvos	n/a	=	102	%	EPA 525.2m	-88	-88	42	137	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Dichlorvos	n/a	=	0.0577	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Dichlorvos	n/a	=	115	%	EPA 525.2m	-88	-88	42	137	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Dichlorvos	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Dichlorvos	n/a	=	0.0524	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Dichlorvos	n/a	=	105	%	EPA 525.2m	-88	-88	42	137	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Dichlorvos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Dichlorvos	n/a	=	0.0558	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Dichlorvos	n/a	=	112	%	EPA 525.2m	-88	-88	42	137	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Dichlorvos	n/a	=	0.0474	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Dichlorvos	n/a	=	95	%	EPA 525.2m	-88	-88	46	133	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Dichlorvos	n/a	=	0.0497	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Dichlorvos	n/a	=	99	%	EPA 525.2m	-88	-88	46	133	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Dichlorvos	n/a	=	0.0312	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Dichlorvos	n/a	=	62	%	EPA 525.2m	-88	-88	46	133	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Dichlorvos	n/a	=	0.039	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Dichlorvos	n/a	=	78	%	EPA 525.2m	-88	-88	42	137	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Dichlorvos	n/a	=	0.0478	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Dichlorvos	n/a	=	96	%	EPA 525.2m	-88	-88	42	137	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Dichlorvos	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Dieldrin	n/a	DNQ	0.0784	µg/L	EPA 608.3	0.008	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Dieldrin	n/a	=	74	%	EPA 608.3	-88	-88	36	146	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Dieldrin	n/a	DNQ	0.0817	µg/L	EPA 608.3	0.008	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Dieldrin	n/a	=	82	%	EPA 608.3	-88	-88	36	146	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Dieldrin	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Dieldrin	n/a	=	0.0869	µg/L	EPA 608.3	0.0008	0.01			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Dieldrin	n/a	=	87	%	EPA 608.3	-88	-88	58	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Dieldrin	n/a	=	0.0954	µg/L	EPA 608.3	0.0008	0.01			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Dieldrin	n/a	=	95	%	EPA 608.3	-88	-88	58	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Dieldrin	n/a	<	0.0008	µg/L	EPA 608.3	0.0008	0.01			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Dieldrin	n/a	=	0.101	µg/L	EPA 608.3	0.0008	0.01			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Dieldrin	n/a	=	101	%	EPA 608.3	-88	-88	58	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Dieldrin	n/a	=	0.101	µg/L	EPA 608.3	0.0008	0.01			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Dieldrin	n/a	=	101	%	EPA 608.3	-88	-88	58	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Dieldrin	n/a	=	0.1	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Dieldrin	n/a	=	0.0869	µg/L	EPA 608.3	0.004	0.05			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Dieldrin	n/a	=	87	%	EPA 608.3	-88	-88	36	146	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Dieldrin	n/a	=	0.0739	µg/L	EPA 608.3	0.004	0.05			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Dieldrin	n/a	=	74	%	EPA 608.3	-88	-88	36	146	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Dieldrin	n/a	=	16	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Dimethoate	n/a	=	0.0807	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Dimethoate	n/a	=	161	%	EPA 525.2m	-88	-88	4	222	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Dimethoate	n/a	=	0.0965	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Dimethoate	n/a	=	193	%	EPA 525.2m	-88	-88	4	222	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Dimethoate	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Dimethoate	n/a	=	4.84	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Dimethoate	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Dimethoate	n/a	=	5.05	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Dimethoate	n/a	=	101	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Dimethoate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Dimethoate	n/a	=	0.0637	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Dimethoate	n/a	=	127	%	EPA 525.2m	-88	-88	4	222	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Dimethoate	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Dimethoate	n/a	=	0.0805	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Dimethoate	n/a	=	161	%	EPA 525.2m	-88	-88	4	222	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Dimethoate	n/a	=	4.91	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Dimethoate	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Dimethoate	n/a	=	4.91	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Dimethoate	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Dimethoate	n/a	=	0.06	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Dimethoate	n/a	=	4.47	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Dimethoate	n/a	=	89	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Dimethoate	n/a	=	3.94	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Dimethoate	n/a	=	79	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Dimethoate	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Dimethoate	n/a	=	0.0263	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Dimethoate	n/a	=	53	%	EPA 525.2m	-88	-88	10	234	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Dimethoate	n/a	=	4.22	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Dimethoate	n/a	=	84	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Dimethoate	n/a	=	0.0396	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Dimethoate	n/a	=	79	%	EPA 525.2m	-88	-88	10	234	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Dimethoate	n/a	=	4.62	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Dimethoate	n/a	=	92	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Dimethoate	n/a	=	0.0259	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Dimethoate	n/a	=	52	%	EPA 525.2m	-88	-88	10	234	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Dimethoate	n/a	=	0.0623	µg/L	EPA 525.2m	0.0062	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Dimethoate	n/a	=	125	%	EPA 525.2m	-88	-88	4	222	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Dimethoate	n/a	=	0.104	µg/L	EPA 525.2m	0.0062	0.01			IL
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Dimethoate	n/a	=	208	%	EPA 525.2m	-88	-88	4	222	IL
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Dimethoate	n/a	=	50	%	EPA 525.2m	-88	-88	0	30	IL
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Dinoseb	n/a	=	4.36	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Dinoseb	n/a	=	109	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Dinoseb	n/a	=	4.25	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Dinoseb	n/a	=	106	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Dinoseb	n/a	=	3	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Dinoseb	n/a	=	4.23	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Dinoseb	n/a	=	106	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	Dinoseb	n/a	=	4.13	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	Dinoseb	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	Dinoseb	n/a	=	3.39	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	Dinoseb	n/a	=	85	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	Dinoseb	n/a	=	4.12	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	Dinoseb	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	Dinoseb	n/a	=	19	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Dinoseb	n/a	=	3.59	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Dinoseb	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	Dinoseb	n/a	=	3.76	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	Dinoseb	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Dinoseb	n/a	=	3.78	µg/L	EPA 515.4	0.055	0.4			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Dinoseb	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Diphenamid	n/a	=	5.83	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Diphenamid	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Diphenamid	n/a	=	5.91	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Diphenamid	n/a	=	118	%	EPA 525.2	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Diphenamid	n/a	=	5.85	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Diphenamid	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Diphenamid	n/a	=	5.99	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Diphenamid	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Diphenamid	n/a	=	6.09	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Diphenamid	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Diphenamid	n/a	=	6.18	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Diphenamid	n/a	=	124	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Diphenamid	n/a	=	5.57	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Diphenamid	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Diphenamid	n/a	=	5.83	µg/L	EPA 525.2	0.024	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Diphenamid	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Disulfoton	n/a	=	0.0828	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Disulfoton	n/a	=	166	%	EPA 525.2m	-88	-88	12	199	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Disulfoton	n/a	=	0.07	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Disulfoton	n/a	=	140	%	EPA 525.2m	-88	-88	12	199	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Disulfoton	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Disulfoton	n/a	=	5.33	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Disulfoton	n/a	=	107	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Disulfoton	n/a	=	5.1	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Disulfoton	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Disulfoton	n/a	=	0.0677	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Disulfoton	n/a	=	135	%	EPA 525.2m	-88	-88	12	199	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Disulfoton	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Disulfoton	n/a	=	0.0629	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Disulfoton	n/a	=	126	%	EPA 525.2m	-88	-88	12	199	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Disulfoton	n/a	=	5.24	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Disulfoton	n/a	=	105	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Disulfoton	n/a	=	5.25	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Disulfoton	n/a	=	105	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Disulfoton	n/a	=	0.1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Disulfoton	n/a	=	4.65	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Disulfoton	n/a	=	93	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Disulfoton	n/a	=	4.72	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Disulfoton	n/a	=	94	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Disulfoton	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Disulfoton	n/a	=	0.0182	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Disulfoton	n/a	=	36	%	EPA 525.2m	-88	-88	0.1	212	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Disulfoton	n/a	=	4.92	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Disulfoton	n/a	=	98	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Disulfoton	n/a	=	0.0404	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Disulfoton	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	212	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Disulfoton	n/a	=	5.1	µg/L	EPA 525.2	0.031	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Disulfoton	n/a	=	102	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Disulfoton	n/a	=	0.0458	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Disulfoton	n/a	=	92	%	EPA 525.2m	-88	-88	0.1	212	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Disulfoton	n/a	=	0.0556	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Disulfoton	n/a	=	111	%	EPA 525.2m	-88	-88	12	199	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Disulfoton	n/a	=	0.0574	µg/L	EPA 525.2m	0.01	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Disulfoton	n/a	=	115	%	EPA 525.2m	-88	-88	12	199	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Endosulfan I	n/a	DNQ	0.0743	µg/L	EPA 608.3	0.009	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Endosulfan I	n/a	=	71	%	EPA 608.3	-88	-88	45	153	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Endosulfan I	n/a	DNQ	0.0791	µg/L	EPA 608.3	0.009	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Endosulfan I	n/a	=	79	%	EPA 608.3	-88	-88	45	153	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Endosulfan I	n/a	=	6	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Endosulfan I	n/a	=	0.0882	µg/L	EPA 608.3	0.0009	0.02			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Endosulfan I	n/a	=	88	%	EPA 608.3	-88	-88	57	141	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Endosulfan I	n/a	=	0.0941	µg/L	EPA 608.3	0.0009	0.02			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Endosulfan I	n/a	=	94	%	EPA 608.3	-88	-88	57	141	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Endosulfan I	n/a	<	0.0009	µg/L	EPA 608.3	0.0009	0.02			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Endosulfan I	n/a	=	0.0985	µg/L	EPA 608.3	0.0009	0.02			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Endosulfan I	n/a	=	99	%	EPA 608.3	-88	-88	57	141	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Endosulfan I	n/a	=	0.0961	µg/L	EPA 608.3	0.0009	0.02			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Endosulfan I	n/a	=	96	%	EPA 608.3	-88	-88	57	141	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Endosulfan I	n/a	=	3	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Endosulfan I	n/a	DNQ	0.0772	µg/L	EPA 608.3	0.0045	0.1			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Endosulfan I	n/a	=	77	%	EPA 608.3	-88	-88	45	153	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Endosulfan I	n/a	DNQ	0.0666	µg/L	EPA 608.3	0.0045	0.1			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Endosulfan I	n/a	=	67	%	EPA 608.3	-88	-88	45	153	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Endosulfan I	n/a	=	15	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Endosulfan II	n/a	DNQ	0.0779	µg/L	EPA 608.3	0.007	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Endosulfan II	n/a	=	74	%	EPA 608.3	-88	-88	17	202	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Endosulfan II	n/a	DNQ	0.0809	µg/L	EPA 608.3	0.007	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Endosulfan II	n/a	=	81	%	EPA 608.3	-88	-88	17	202	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Endosulfan II	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Endosulfan II	n/a	=	0.0949	µg/L	EPA 608.3	0.0007	0.01			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Endosulfan II	n/a	=	95	%	EPA 608.3	-88	-88	22	171	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Endosulfan II	n/a	=	0.1	µg/L	EPA 608.3	0.0007	0.01			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Endosulfan II	n/a	=	100	%	EPA 608.3	-88	-88	22	171	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Endosulfan II	n/a	<	0.0007	µg/L	EPA 608.3	0.0007	0.01			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Endosulfan II	n/a	=	0.109	µg/L	EPA 608.3	0.0007	0.01			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Endosulfan II	n/a	=	109	%	EPA 608.3	-88	-88	22	171	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Endosulfan II	n/a	=	0.109	µg/L	EPA 608.3	0.0007	0.01			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Endosulfan II	n/a	=	109	%	EPA 608.3	-88	-88	22	171	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Endosulfan II	n/a	=	0.3	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Endosulfan II	n/a	=	0.0961	µg/L	EPA 608.3	0.0035	0.05			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Endosulfan II	n/a	=	96	%	EPA 608.3	-88	-88	17	202	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Endosulfan II	n/a	=	0.0798	µg/L	EPA 608.3	0.0035	0.05			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Endosulfan II	n/a	=	80	%	EPA 608.3	-88	-88	17	202	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Endosulfan II	n/a	=	18	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0754	µg/L	EPA 608.3	0.013	0.5			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Endosulfan sulfate	n/a	=	72	%	EPA 608.3	-88	-88	26	144	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.08	µg/L	EPA 608.3	0.013	0.5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Endosulfan sulfate	n/a	=	80	%	EPA 608.3	-88	-88	26	144	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Endosulfan sulfate	n/a	=	6	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Endosulfan sulfate	n/a	=	0.103	µg/L	EPA 608.3	0.0013	0.05			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Endosulfan sulfate	n/a	=	103	%	EPA 608.3	-88	-88	38	132	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Endosulfan sulfate	n/a	=	0.0966	µg/L	EPA 608.3	0.0013	0.05			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Endosulfan sulfate	n/a	=	97	%	EPA 608.3	-88	-88	38	132	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Endosulfan sulfate	n/a	<	0.0013	µg/L	EPA 608.3	0.0013	0.05			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Endosulfan sulfate	n/a	=	0.108	µg/L	EPA 608.3	0.0013	0.05			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Endosulfan sulfate	n/a	=	108	%	EPA 608.3	-88	-88	38	132	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Endosulfan sulfate	n/a	=	0.112	µg/L	EPA 608.3	0.0013	0.05			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Endosulfan sulfate	n/a	=	112	%	EPA 608.3	-88	-88	38	132	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Endosulfan sulfate	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0939	µg/L	EPA 608.3	0.0065	0.25			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Endosulfan sulfate	n/a	=	94	%	EPA 608.3	-88	-88	26	144	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0745	µg/L	EPA 608.3	0.0065	0.25			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Endosulfan sulfate	n/a	=	74	%	EPA 608.3	-88	-88	26	144	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Endosulfan sulfate	n/a	=	23	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Endrin	n/a	DNQ	0.0895	µg/L	EPA 608.3	0.017	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Endrin	n/a	=	85	%	EPA 608.3	-88	-88	30	147	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Endrin	n/a	DNQ	0.0934	µg/L	EPA 608.3	0.017	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Endrin	n/a	=	93	%	EPA 608.3	-88	-88	30	147	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Endrin	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Endrin	n/a	=	0.109	µg/L	EPA 608.3	0.0017	0.01			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Endrin	n/a	=	109	%	EPA 608.3	-88	-88	51	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Endrin	n/a	=	0.115	µg/L	EPA 608.3	0.0017	0.01			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Endrin	n/a	=	115	%	EPA 608.3	-88	-88	51	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Endrin	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Endrin	n/a	=	0.124	µg/L	EPA 608.3	0.0017	0.01			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Endrin	n/a	=	124	%	EPA 608.3	-88	-88	51	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Endrin	n/a	=	0.123	µg/L	EPA 608.3	0.0017	0.01			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Endrin	n/a	=	123	%	EPA 608.3	-88	-88	51	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Endrin	n/a	=	0.4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Endrin	n/a	=	0.102	µg/L	EPA 608.3	0.0085	0.05			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Endrin	n/a	=	102	%	EPA 608.3	-88	-88	30	147	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Endrin	n/a	=	0.0886	µg/L	EPA 608.3	0.0085	0.05			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Endrin	n/a	=	89	%	EPA 608.3	-88	-88	30	147	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Endrin	n/a	=	14	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Endrin aldehyde	n/a	DNQ	0.0668	µg/L	EPA 608.3	0.019	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Endrin aldehyde	n/a	=	63	%	EPA 608.3	-88	-88	11	140	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Endrin aldehyde	n/a	DNQ	0.0672	µg/L	EPA 608.3	0.019	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Endrin aldehyde	n/a	=	67	%	EPA 608.3	-88	-88	11	140	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Endrin aldehyde	n/a	=	0.7	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Endrin aldehyde	n/a	=	0.0955	µg/L	EPA 608.3	0.0019	0.01			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Endrin aldehyde	n/a	=	95	%	EPA 608.3	-88	-88	18	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Endrin aldehyde	n/a	=	0.089	µg/L	EPA 608.3	0.0019	0.01			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Endrin aldehyde	n/a	=	89	%	EPA 608.3	-88	-88	18	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Endrin aldehyde	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Endrin aldehyde	n/a	=	0.108	µg/L	EPA 608.3	0.0019	0.01			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Endrin aldehyde	n/a	=	108	%	EPA 608.3	-88	-88	18	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Endrin aldehyde	n/a	=	0.104	µg/L	EPA 608.3	0.0019	0.01			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Endrin aldehyde	n/a	=	104	%	EPA 608.3	-88	-88	18	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Endrin aldehyde	n/a	=	3	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Endrin aldehyde	n/a	=	0.0751	µg/L	EPA 608.3	0.0095	0.05			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Endrin aldehyde	n/a	=	75	%	EPA 608.3	-88	-88	11	140	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Endrin aldehyde	n/a	=	0.0597	µg/L	EPA 608.3	0.0095	0.05			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Endrin aldehyde	n/a	=	60	%	EPA 608.3	-88	-88	11	140	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Endrin aldehyde	n/a	=	23	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	EPTC	n/a	=	4.79	µg/L	EPA 525.2	0.017	1			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	EPTC	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	EPTC	n/a	=	4.84	µg/L	EPA 525.2	0.017	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	EPTC	n/a	=	97	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	EPTC	n/a	=	0.9	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	EPTC	n/a	=	5.35	µg/L	EPA 525.2	0.017	1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	EPTC	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	EPTC	n/a	=	5.48	µg/L	EPA 525.2	0.017	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	EPTC	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	EPTC	n/a	=	4.97	µg/L	EPA 525.2	0.017	1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	EPTC	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	EPTC	n/a	=	5.14	µg/L	EPA 525.2	0.017	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	EPTC	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	EPTC	n/a	=	4.75	µg/L	EPA 525.2	0.017	1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	EPTC	n/a	=	95	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	EPTC	n/a	=	5.4	µg/L	EPA 525.2	0.017	1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	EPTC	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Ethoprop	n/a	=	0.108	µg/L	EPA 525.2m	0.0067	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Ethoprop	n/a	=	217	%	EPA 525.2m	-88	-88	51	167	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Ethoprop	n/a	=	0.102	µg/L	EPA 525.2m	0.0067	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Ethoprop	n/a	=	204	%	EPA 525.2m	-88	-88	51	167	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Ethoprop	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Ethoprop	n/a	=	0.0883	µg/L	EPA 525.2m	0.0067	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Ethoprop	n/a	=	177	%	EPA 525.2m	-88	-88	51	167	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Ethoprop	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Ethoprop	n/a	=	0.0897	µg/L	EPA 525.2m	0.0067	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Ethoprop	n/a	=	179	%	EPA 525.2m	-88	-88	51	167	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Ethoprop	n/a	=	0.0598	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Ethoprop	n/a	=	120	%	EPA 525.2m	-88	-88	53	163	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Ethoprop	n/a	=	0.0752	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Ethoprop	n/a	=	150	%	EPA 525.2m	-88	-88	53	163	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Ethoprop	n/a	=	0.0446	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Ethoprop	n/a	=	89	%	EPA 525.2m	-88	-88	53	163	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Ethoprop	n/a	=	0.0534	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Ethoprop	n/a	=	107	%	EPA 525.2m	-88	-88	51	167	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Ethoprop	n/a	=	0.0643	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Ethoprop	n/a	=	129	%	EPA 525.2m	-88	-88	51	167	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Ethoprop	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Ethyl parathion	n/a	=	0.114	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Ethyl parathion	n/a	=	227	%	EPA 525.2m	-88	-88	5	229	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Ethyl parathion	n/a	=	0.104	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Ethyl parathion	n/a	=	209	%	EPA 525.2m	-88	-88	5	229	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Ethyl parathion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Ethyl parathion	n/a	=	0.0925	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Ethyl parathion	n/a	=	185	%	EPA 525.2m	-88	-88	5	229	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Ethyl parathion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Ethyl parathion	n/a	=	0.0977	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Ethyl parathion	n/a	=	195	%	EPA 525.2m	-88	-88	5	229	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Ethyl parathion	n/a	=	0.0655	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Ethyl parathion	n/a	=	131	%	EPA 525.2m	-88	-88	7	230	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Ethyl parathion	n/a	=	0.0767	µg/L	EPA 525.2m	0.0054	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Ethyl parathion	n/a	=	153	%	EPA 525.2m	-88	-88	7	230	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Ethyl parathion	n/a	=	0.0546	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Ethyl parathion	n/a	=	109	%	EPA 525.2m	-88	-88	7	230	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Ethyl parathion	n/a	=	0.0733	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Ethyl parathion	n/a	=	147	%	EPA 525.2m	-88	-88	5	229	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Ethyl parathion	n/a	=	0.0765	µg/L	EPA 525.2m	0.0054	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Ethyl parathion	n/a	=	153	%	EPA 525.2m	-88	-88	5	229	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Ethyl parathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Fensulfothion	n/a	=	0.229	µg/L	EPA 525.2m	0.0029	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Fensulfothion	n/a	=	457	%	EPA 525.2m	-88	-88	0.1	316	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Fensulfothion	n/a	=	0.24	µg/L	EPA 525.2m	0.0029	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Fensulfothion	n/a	=	480	%	EPA 525.2m	-88	-88	0.1	316	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Fensulfothion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Fensulfothion	n/a	=	0.145	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Fensulfothion	n/a	=	290	%	EPA 525.2m	-88	-88	0.1	316	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Fensulfothion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Fensulfothion	n/a	=	0.13	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Fensulfothion	n/a	=	259	%	EPA 525.2m	-88	-88	0.1	316	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Fensulfothion	n/a	=	0.0494	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Fensulfothion	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	265	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Fensulfothion	n/a	=	0.0596	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Fensulfothion	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	265	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Fensulfothion	n/a	=	0.028	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Fensulfothion	n/a	=	56	%	EPA 525.2m	-88	-88	0.1	265	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Fensulfothion	n/a	=	0.07	µg/L	EPA 525.2m	0.0029	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Fensulfothion	n/a	=	140	%	EPA 525.2m	-88	-88	0.1	316	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Fensulfothion	n/a	=	0.122	µg/L	EPA 525.2m	0.0029	0.01			IL
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Fensulfothion	n/a	=	244	%	EPA 525.2m	-88	-88	0.1	316	IL
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Fensulfothion	n/a	=	54	%	EPA 525.2m	-88	-88	0	30	IL
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Fenthion	n/a	=	0.0906	µg/L	EPA 525.2m	0.0038	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Fenthion	n/a	=	181	%	EPA 525.2m	-88	-88	23	169	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Fenthion	n/a	=	0.0758	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Fenthion	n/a	=	152	%	EPA 525.2m	-88	-88	23	169	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Fenthion	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Fenthion	n/a	=	0.0708	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Fenthion	n/a	=	142	%	EPA 525.2m	-88	-88	23	169	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Fenthion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Fenthion	n/a	=	0.0718	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Fenthion	n/a	=	144	%	EPA 525.2m	-88	-88	23	169	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Fenthion	n/a	=	0.0331	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Fenthion	n/a	=	66	%	EPA 525.2m	-88	-88	20	177	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Fenthion	n/a	=	0.0522	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Fenthion	n/a	=	104	%	EPA 525.2m	-88	-88	20	177	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Fenthion	n/a	=	0.0537	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Fenthion	n/a	=	107	%	EPA 525.2m	-88	-88	20	177	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Fenthion	n/a	=	0.0652	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Fenthion	n/a	=	130	%	EPA 525.2m	-88	-88	23	169	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Fenthion	n/a	=	0.0725	µg/L	EPA 525.2m	0.0038	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Fenthion	n/a	=	145	%	EPA 525.2m	-88	-88	23	169	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Fenthion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0687	µg/L	EPA 608.3	0.004	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	65	%	EPA 608.3	-88	-88	32	140	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0717	µg/L	EPA 608.3	0.004	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	72	%	EPA 608.3	-88	-88	32	140	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	4	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0852	µg/L	EPA 608.3	0.0004	0.02			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	85	%	EPA 608.3	-88	-88	43	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0995	µg/L	EPA 608.3	0.0004	0.02			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	100	%	EPA 608.3	-88	-88	43	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.02			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.105	µg/L	EPA 608.3	0.0004	0.02			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	105	%	EPA 608.3	-88	-88	43	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0872	µg/L	EPA 608.3	0.0004	0.02			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	87	%	EPA 608.3	-88	-88	43	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	18	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0763	µg/L	EPA 608.3	0.002	0.1			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	76	%	EPA 608.3	-88	-88	32	140	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0595	µg/L	EPA 608.3	0.002	0.1			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	60	%	EPA 608.3	-88	-88	32	140	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	gamma-BHC (Lindane)	n/a	=	25	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-5	Lab	method blank	6/2/2020	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-5	Lab	method blank	6/3/2020	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01			
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Glyphosate	n/a	=	25.8	µg/L	EPA 547	1.8	5			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Glyphosate	n/a	=	103	%	EPA 547	-88	-88	41	149	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Glyphosate	n/a	=	25	µg/L	EPA 547	1.8	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Glyphosate	n/a	=	100	%	EPA 547	-88	-88	41	149	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Glyphosate	n/a	=	3	%	EPA 547	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Glyphosate	n/a	=	23.8	µg/L	EPA 547	1.8	5			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Glyphosate	n/a	=	95	%	EPA 547	-88	-88	41	149	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Glyphosate	n/a	=	25.6	µg/L	EPA 547	1.8	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Glyphosate	n/a	=	103	%	EPA 547	-88	-88	41	149	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Glyphosate	n/a	=	7	%	EPA 547	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/19/2020	Pesticide	Glyphosate	n/a	=	28.8	µg/L	EPA 547	1.8	5			
2019/20-5	000NONPJ	matrix spike, rec	5/19/2020	Pesticide	Glyphosate	n/a	=	115	%	EPA 547	-88	-88	41	149	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike dup	5/19/2020	Pesticide	Glyphosate	n/a	=	15.4	µg/L	EPA 547	1.8	5			IL
2019/20-5	000NONPJ	matrix spike dup, rec	5/19/2020	Pesticide	Glyphosate	n/a	=	62	%	EPA 547	-88	-88	41	149	IL
2019/20-5	000NONPJ	matrix spike, RPD	5/19/2020	Pesticide	Glyphosate	n/a	=	61	%	EPA 547	-88	-88	0	30	IL
2019/20-5	000NONPJ	matrix spike	5/19/2020	Pesticide	Glyphosate	n/a	=	17.1	µg/L	EPA 547	1.8	5			
2019/20-5	000NONPJ	matrix spike, rec	5/19/2020	Pesticide	Glyphosate	n/a	=	68	%	EPA 547	-88	-88	41	149	
2019/20-5	000NONPJ	matrix spike dup	5/19/2020	Pesticide	Glyphosate	n/a	=	15.5	µg/L	EPA 547	1.8	5			
2019/20-5	000NONPJ	matrix spike dup, rec	5/19/2020	Pesticide	Glyphosate	n/a	=	62	%	EPA 547	-88	-88	41	149	
2019/20-5	000NONPJ	matrix spike, RPD	5/19/2020	Pesticide	Glyphosate	n/a	=	9	%	EPA 547	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Glyphosate	n/a	=	24.2	µg/L	EPA 547	1.8	5			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Glyphosate	n/a	=	97	%	EPA 547	-88	-88	70	130	
2019/20-5	Lab	method blank	5/3/2020	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2019/20-5	Lab	LCS	5/3/2020	Pesticide	Glyphosate	n/a	=	25.7	µg/L	EPA 547	1.8	5			
2019/20-5	Lab	LCS, rec	5/3/2020	Pesticide	Glyphosate	n/a	=	103	%	EPA 547	-88	-88	70	130	
2019/20-5	Lab	method blank	5/7/2020	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2019/20-5	Lab	LCS	5/7/2020	Pesticide	Glyphosate	n/a	=	25.8	µg/L	EPA 547	1.8	5			
2019/20-5	Lab	LCS, rec	5/7/2020	Pesticide	Glyphosate	n/a	=	103	%	EPA 547	-88	-88	70	130	
2019/20-5	Lab	method blank	5/19/2020	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2019/20-5	Lab	LCS	5/19/2020	Pesticide	Glyphosate	n/a	=	26.8	µg/L	EPA 547	1.8	5			
2019/20-5	Lab	LCS, rec	5/19/2020	Pesticide	Glyphosate	n/a	=	107	%	EPA 547	-88	-88	70	130	
2019/20-5	ME-VR2	matrix spike	5/7/2020	Pesticide	Glyphosate	n/a	=	12.4	µg/L	EPA 547	1.8	5			
2019/20-5	ME-VR2	matrix spike, rec	5/7/2020	Pesticide	Glyphosate	n/a	=	50	%	EPA 547	-88	-88	41	149	
2019/20-5	ME-VR2	matrix spike dup	5/7/2020	Pesticide	Glyphosate	n/a	=	11.9	µg/L	EPA 547	1.8	5			
2019/20-5	ME-VR2	matrix spike dup, rec	5/7/2020	Pesticide	Glyphosate	n/a	=	48	%	EPA 547	-88	-88	41	149	
2019/20-5	ME-VR2	matrix spike, RPD	5/7/2020	Pesticide	Glyphosate	n/a	=	4	%	EPA 547	-88	-88	0	30	
2019/20-5	MO-OJA	matrix spike	5/7/2020	Pesticide	Glyphosate	n/a	=	18	µg/L	EPA 547	1.8	5			
2019/20-5	MO-OJA	matrix spike, rec	5/7/2020	Pesticide	Glyphosate	n/a	=	72	%	EPA 547	-88	-88	41	149	
2019/20-5	MO-OJA	matrix spike dup	5/7/2020	Pesticide	Glyphosate	n/a	=	31	µg/L	EPA 547	1.8	5			IL
2019/20-5	MO-OJA	matrix spike dup, rec	5/7/2020	Pesticide	Glyphosate	n/a	=	124	%	EPA 547	-88	-88	41	149	IL
2019/20-5	MO-OJA	matrix spike, RPD	5/7/2020	Pesticide	Glyphosate	n/a	=	53	%	EPA 547	-88	-88	0	30	IL
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Heptachlor	n/a	DNQ	0.0726	µg/L	EPA 608.3	0.006	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Heptachlor	n/a	=	69	%	EPA 608.3	-88	-88	34	140	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Heptachlor	n/a	DNQ	0.0749	µg/L	EPA 608.3	0.006	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Heptachlor	n/a	=	75	%	EPA 608.3	-88	-88	34	140	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Heptachlor	n/a	=	3	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Heptachlor	n/a	=	0.0906	µg/L	EPA 608.3	0.0006	0.01			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Heptachlor	n/a	=	91	%	EPA 608.3	-88	-88	43	130	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Heptachlor	n/a	=	0.101	µg/L	EPA 608.3	0.0006	0.01			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Heptachlor	n/a	=	101	%	EPA 608.3	-88	-88	43	130	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Heptachlor	n/a	<	0.0006	µg/L	EPA 608.3	0.0006	0.01			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Heptachlor	n/a	=	0.104	µg/L	EPA 608.3	0.0006	0.01			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Heptachlor	n/a	=	104	%	EPA 608.3	-88	-88	43	130	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Heptachlor	n/a	=	0.0958	µg/L	EPA 608.3	0.0006	0.01			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Heptachlor	n/a	=	96	%	EPA 608.3	-88	-88	43	130	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Heptachlor	n/a	=	8	%	EPA 608.3	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Heptachlor	n/a	=	0.0833	µg/L	EPA 608.3	0.003	0.05			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Heptachlor	n/a	=	83	%	EPA 608.3	-88	-88	34	140	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Heptachlor	n/a	=	0.0696	µg/L	EPA 608.3	0.003	0.05			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Heptachlor	n/a	=	70	%	EPA 608.3	-88	-88	34	140	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Heptachlor	n/a	=	18	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/11/2020	Pesticide	Heptachlor epoxide	n/a	DNQ	0.0646	µg/L	EPA 608.3	0.004	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/11/2020	Pesticide	Heptachlor epoxide	n/a	=	61	%	EPA 608.3	-88	-88	37	142	
2019/20-5	000NONPJ	matrix spike dup	5/11/2020	Pesticide	Heptachlor epoxide	n/a	DNQ	0.0763	µg/L	EPA 608.3	0.004	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/11/2020	Pesticide	Heptachlor epoxide	n/a	=	76	%	EPA 608.3	-88	-88	37	142	
2019/20-5	000NONPJ	matrix spike, RPD	5/11/2020	Pesticide	Heptachlor epoxide	n/a	=	17	%	EPA 608.3	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-5	Lab	LCS	5/11/2020	Pesticide	Heptachlor epoxide	n/a	=	0.0885	µg/L	EPA 608.3	0.0004	0.01			
2019/20-5	Lab	LCS, rec	5/11/2020	Pesticide	Heptachlor epoxide	n/a	=	88	%	EPA 608.3	-88	-88	57	132	
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-5	Lab	LCS	6/2/2020	Pesticide	Heptachlor epoxide	n/a	=	0.0954	µg/L	EPA 608.3	0.0004	0.01			
2019/20-5	Lab	LCS, rec	6/2/2020	Pesticide	Heptachlor epoxide	n/a	=	95	%	EPA 608.3	-88	-88	57	132	
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Heptachlor epoxide	n/a	<	0.0004	µg/L	EPA 608.3	0.0004	0.01			
2019/20-5	Lab	LCS	6/3/2020	Pesticide	Heptachlor epoxide	n/a	=	0.103	µg/L	EPA 608.3	0.0004	0.01			
2019/20-5	Lab	LCS, rec	6/3/2020	Pesticide	Heptachlor epoxide	n/a	=	103	%	EPA 608.3	-88	-88	57	132	
2019/20-5	Lab	LCS dup	6/3/2020	Pesticide	Heptachlor epoxide	n/a	=	0.1	µg/L	EPA 608.3	0.0004	0.01			
2019/20-5	Lab	LCS dup, rec	6/3/2020	Pesticide	Heptachlor epoxide	n/a	=	100	%	EPA 608.3	-88	-88	57	132	
2019/20-5	Lab	LCS, RPD	6/3/2020	Pesticide	Heptachlor epoxide	n/a	=	2	%	EPA 608.3	-88	-88	0	30	
2019/20-5	ME-CC	matrix spike	6/2/2020	Pesticide	Heptachlor epoxide	n/a	=	0.0823	µg/L	EPA 608.3	0.002	0.05			
2019/20-5	ME-CC	matrix spike, rec	6/2/2020	Pesticide	Heptachlor epoxide	n/a	=	82	%	EPA 608.3	-88	-88	37	142	
2019/20-5	ME-CC	matrix spike dup	6/2/2020	Pesticide	Heptachlor epoxide	n/a	=	0.0736	µg/L	EPA 608.3	0.002	0.05			
2019/20-5	ME-CC	matrix spike dup, rec	6/2/2020	Pesticide	Heptachlor epoxide	n/a	=	74	%	EPA 608.3	-88	-88	37	142	
2019/20-5	ME-CC	matrix spike, RPD	6/2/2020	Pesticide	Heptachlor epoxide	n/a	=	11	%	EPA 608.3	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Malathion	n/a	=	0.13	µg/L	EPA 525.2m	0.0076	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Malathion	n/a	=	260	%	EPA 525.2m	-88	-88	6	184	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Malathion	n/a	=	0.112	µg/L	EPA 525.2m	0.0076	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Malathion	n/a	=	224	%	EPA 525.2m	-88	-88	6	184	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Malathion	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Malathion	n/a	=	0.106	µg/L	EPA 525.2m	0.0076	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Malathion	n/a	=	211	%	EPA 525.2m	-88	-88	6	184	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Malathion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Malathion	n/a	=	0.104	µg/L	EPA 525.2m	0.0076	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Malathion	n/a	=	209	%	EPA 525.2m	-88	-88	6	184	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Malathion	n/a	=	0.0781	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Malathion	n/a	=	156	%	EPA 525.2m	-88	-88	14	175	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Malathion	n/a	=	0.0909	µg/L	EPA 525.2m	0.0076	0.01			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Malathion	n/a	=	182	%	EPA 525.2m	-88	-88	14	175	EUM
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Malathion	n/a	=	0.0354	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Malathion	n/a	=	71	%	EPA 525.2m	-88	-88	14	175	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Malathion	n/a	=	0.12	µg/L	EPA 525.2m	0.0076	0.01			GB



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Malathion	n/a	=	240	%	EPA 525.2m	-88	-88	6	184	GB
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Malathion	n/a	=	0.149	µg/L	EPA 525.2m	0.0076	0.01			GB
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Malathion	n/a	=	299	%	EPA 525.2m	-88	-88	6	184	GB
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Malathion	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Merphos	n/a	=	0.266	µg/L	EPA 525.2m	0.0058	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Merphos	n/a	=	532	%	EPA 525.2m	-88	-88	3	210	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Merphos	n/a	=	0.216	µg/L	EPA 525.2m	0.0058	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Merphos	n/a	=	433	%	EPA 525.2m	-88	-88	3	210	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Merphos	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Merphos	n/a	=	0.218	µg/L	EPA 525.2m	0.0058	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Merphos	n/a	=	437	%	EPA 525.2m	-88	-88	3	210	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Merphos	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Merphos	n/a	=	0.173	µg/L	EPA 525.2m	0.0058	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Merphos	n/a	=	347	%	EPA 525.2m	-88	-88	3	210	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Merphos	n/a	=	0.103	µg/L	EPA 525.2m	0.0058	0.01			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Merphos	n/a	=	206	%	EPA 525.2m	-88	-88	28	181	EUM
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Merphos	n/a	=	0.113	µg/L	EPA 525.2m	0.0058	0.01			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Merphos	n/a	=	226	%	EPA 525.2m	-88	-88	28	181	EUM
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Merphos	n/a	=	0.0567	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Merphos	n/a	=	113	%	EPA 525.2m	-88	-88	28	181	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Merphos	n/a	=	0.0674	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Merphos	n/a	=	135	%	EPA 525.2m	-88	-88	3	210	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Merphos	n/a	=	0.0774	µg/L	EPA 525.2m	0.0058	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Merphos	n/a	=	155	%	EPA 525.2m	-88	-88	3	210	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Merphos	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Methoxychlor	n/a	<	0.0014	µg/L	EPA 608.3	0.0014	0.02			
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Methyl parathion	n/a	=	0.133	µg/L	EPA 525.2m	0.0063	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Methyl parathion	n/a	=	267	%	EPA 525.2m	-88	-88	0.1	249	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Methyl parathion	n/a	=	0.125	µg/L	EPA 525.2m	0.0063	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Methyl parathion	n/a	=	250	%	EPA 525.2m	-88	-88	0.1	249	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Methyl parathion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Methyl parathion	n/a	=	0.106	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Methyl parathion	n/a	=	213	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Methyl parathion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Methyl parathion	n/a	=	0.114	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Methyl parathion	n/a	=	229	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Methyl parathion	n/a	=	0.0673	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Methyl parathion	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	252	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Methyl parathion	n/a	=	0.0821	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Methyl parathion	n/a	=	164	%	EPA 525.2m	-88	-88	0.1	252	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Methyl parathion	n/a	=	0.0449	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Methyl parathion	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	252	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Methyl parathion	n/a	=	0.0672	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Methyl parathion	n/a	=	134	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Methyl parathion	n/a	=	0.0734	µg/L	EPA 525.2m	0.0063	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Methyl parathion	n/a	=	147	%	EPA 525.2m	-88	-88	0.1	249	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Methyl parathion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Metolachlor	n/a	=	6.94	µg/L	EPA 525.2	0.012	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Metolachlor	n/a	=	139	%	EPA 525.2	-88	-88	60	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Metolachlor	n/a	=	7.24	µg/L	EPA 525.2	0.012	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Metolachlor	n/a	=	145	%	EPA 525.2	-88	-88	60	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Metolachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Metolachlor	n/a	=	4.9	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Metolachlor	n/a	=	98	%	EPA 525.2	-88	-88	60	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Metolachlor	n/a	=	4.98	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Metolachlor	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Metolachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Metolachlor	n/a	=	5.97	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Metolachlor	n/a	=	119	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Metolachlor	n/a	=	6.12	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Metolachlor	n/a	=	122	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Metolachlor	n/a	=	5.85	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Metolachlor	n/a	=	117	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Metolachlor	n/a	=	5.02	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Metolachlor	n/a	=	100	%	EPA 525.2	-88	-88	60	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Metribuzin	n/a	=	6.46	µg/L	EPA 525.2	0.015	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Metribuzin	n/a	=	129	%	EPA 525.2	-88	-88	50	120	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Metribuzin	n/a	=	6.56	µg/L	EPA 525.2	0.015	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Metribuzin	n/a	=	131	%	EPA 525.2	-88	-88	50	120	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Metribuzin	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Metribuzin	n/a	=	4.72	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Metribuzin	n/a	=	94	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Metribuzin	n/a	=	4.72	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Metribuzin	n/a	=	94	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Metribuzin	n/a	=	0.07	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Metribuzin	n/a	=	5.82	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Metribuzin	n/a	=	116	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Metribuzin	n/a	=	5.97	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Metribuzin	n/a	=	119	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Metribuzin	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Metribuzin	n/a	=	5.95	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Metribuzin	n/a	=	119	%	EPA 525.2	-88	-88	50	120	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Metribuzin	n/a	=	4.85	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Metribuzin	n/a	=	97	%	EPA 525.2	-88	-88	50	120	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Mevinphos	n/a	=	0.0873	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Mevinphos	n/a	=	175	%	EPA 525.2m	-88	-88	25	189	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Mevinphos	n/a	=	0.0869	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Mevinphos	n/a	=	174	%	EPA 525.2m	-88	-88	25	189	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Mevinphos	n/a	=	0.4	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Mevinphos	n/a	=	0.0677	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Mevinphos	n/a	=	135	%	EPA 525.2m	-88	-88	25	189	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Mevinphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Mevinphos	n/a	=	0.0713	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Mevinphos	n/a	=	143	%	EPA 525.2m	-88	-88	25	189	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Mevinphos	n/a	=	0.0495	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Mevinphos	n/a	=	99	%	EPA 525.2m	-88	-88	14	202	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Mevinphos	n/a	=	0.0578	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Mevinphos	n/a	=	116	%	EPA 525.2m	-88	-88	14	202	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Mevinphos	n/a	=	0.0257	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Mevinphos	n/a	=	51	%	EPA 525.2m	-88	-88	14	202	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Mevinphos	n/a	=	0.0569	µg/L	EPA 525.2m	0.0042	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Mevinphos	n/a	=	114	%	EPA 525.2m	-88	-88	25	189	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Mevinphos	n/a	=	0.0804	µg/L	EPA 525.2m	0.0042	0.01			IL
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Mevinphos	n/a	=	161	%	EPA 525.2m	-88	-88	25	189	IL
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Mevinphos	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	IL
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Molinate	n/a	=	6.68	µg/L	EPA 525.2	0.039	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Molinate	n/a	=	134	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Molinate	n/a	=	6.61	µg/L	EPA 525.2	0.039	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Molinate	n/a	=	132	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Molinate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Molinate	n/a	=	5.8	µg/L	EPA 525.2	0.039	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Molinate	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Molinate	n/a	=	5.69	µg/L	EPA 525.2	0.039	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Molinate	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Molinate	n/a	=	5.09	µg/L	EPA 525.2	0.039	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Molinate	n/a	=	102	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Molinate	n/a	=	5.43	µg/L	EPA 525.2	0.039	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Molinate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Molinate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Molinate	n/a	=	6.25	µg/L	EPA 525.2	0.039	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Molinate	n/a	=	125	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Molinate	n/a	=	5.85	µg/L	EPA 525.2	0.039	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Molinate	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Naled	n/a	=	0.081	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Naled	n/a	=	162	%	EPA 525.2m	-88	-88	0.1	242	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Naled	n/a	=	0.0699	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Naled	n/a	=	140	%	EPA 525.2m	-88	-88	0.1	242	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Naled	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Naled	n/a	=	0.052	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Naled	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	242	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Naled	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Naled	n/a	=	0.0588	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Naled	n/a	=	118	%	EPA 525.2m	-88	-88	0.1	242	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Naled	n/a	=	0.0464	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Naled	n/a	=	93	%	EPA 525.2m	-88	-88	0.1	240	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Naled	n/a	=	0.0443	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Naled	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	240	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Naled	n/a	=	0.0113	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Naled	n/a	=	23	%	EPA 525.2m	-88	-88	0.1	240	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Naled	n/a	=	0.0493	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Naled	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	242	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Naled	n/a	=	0.0527	µg/L	EPA 525.2m	0.0076	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Naled	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	242	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Naled	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Pentachlorophenol	n/a	=	3.82	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Pentachlorophenol	n/a	=	3.88	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Pentachlorophenol	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Pentachlorophenol	n/a	=	3.77	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Pentachlorophenol	n/a	=	94	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	Pentachlorophenol	n/a	=	3.61	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	Pentachlorophenol	n/a	=	90	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	3.91	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	Pentachlorophenol	n/a	=	4.12	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	Pentachlorophenol	n/a	=	103	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	Pentachlorophenol	n/a	=	5	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/29/2020	Pesticide	Pentachlorophenol	n/a	=	21	µg/L	EPA 625.1	0.4	1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/29/2020	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 625.1	-88	-88			
2019/20-5	000NONPJ	matrix spike, RPD	5/29/2020	Pesticide	Pentachlorophenol	n/a	=	5	%	EPA 625.1	-88	-88	0		
2019/20-5	000NONPJ	matrix spike	5/29/2020	Pesticide	Pentachlorophenol	n/a	=	19.9	µg/L	EPA 625.1	0.4	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	000NONPJ	matrix spike, rec	5/29/2020	Pesticide	Pentachlorophenol	n/a	=	80	%	EPA 625.1	-88	-88			
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Pentachlorophenol	n/a	=	3.8	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/8/2020	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2019/20-5	Lab	LCS	5/8/2020	Pesticide	Pentachlorophenol	n/a	=	7.97	µg/L	EPA 8270C	0.15	1			
2019/20-5	Lab	LCS, rec	5/8/2020	Pesticide	Pentachlorophenol	n/a	=	80	%	EPA 8270C	-88	-88	29	106	
2019/20-5	Lab	LCS dup	5/8/2020	Pesticide	Pentachlorophenol	n/a	=	8.31	µg/L	EPA 8270C	0.15	1			
2019/20-5	Lab	LCS dup, rec	5/8/2020	Pesticide	Pentachlorophenol	n/a	=	83	%	EPA 8270C	-88	-88	29	106	
2019/20-5	Lab	LCS, RPD	5/8/2020	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	LCS	5/13/2020	Pesticide	Pentachlorophenol	n/a	=	24.6	µg/L	EPA 625.1	0.4	1			
2019/20-5	Lab	LCS, rec	5/13/2020	Pesticide	Pentachlorophenol	n/a	=	98	%	EPA 625.1	-88	-88	41	120	
2019/20-5	Lab	LCS dup	5/13/2020	Pesticide	Pentachlorophenol	n/a	=	25.5	µg/L	EPA 625.1	0.4	1			
2019/20-5	Lab	LCS dup, rec	5/13/2020	Pesticide	Pentachlorophenol	n/a	=	102	%	EPA 625.1	-88	-88	41	120	
2019/20-5	Lab	LCS, RPD	5/13/2020	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 625.1	-88	-88	0	30	
2019/20-5	Lab	method blank	5/13/2020	Pesticide	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1			
2019/20-5	Lab	method blank	5/15/2020	Pesticide	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	Pentachlorophenol	n/a	=	4	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	Pentachlorophenol	n/a	=	100	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	7.03	µg/L	EPA 8270C	0.15	1			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	70	%	EPA 8270C	-88	-88	29	106	
2019/20-5	Lab	LCS dup	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	6.26	µg/L	EPA 8270C	0.15	1			
2019/20-5	Lab	LCS dup, rec	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	63	%	EPA 8270C	-88	-88	29	106	
2019/20-5	Lab	LCS, RPD	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	12	%	EPA 8270C	-88	-88	0	30	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	4.02	µg/L	EPA 515.4	0.046	0.2			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Pentachlorophenol	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/29/2020	Pesticide	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1			
2019/20-5	Lab	LCS	5/29/2020	Pesticide	Pentachlorophenol	n/a	=	20.7	µg/L	EPA 625.1	0.4	1			
2019/20-5	Lab	LCS, rec	5/29/2020	Pesticide	Pentachlorophenol	n/a	=	83	%	EPA 625.1	-88	-88	41	120	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Phorate	n/a	=	0.0983	µg/L	EPA 525.2m	0.003	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Phorate	n/a	=	197	%	EPA 525.2m	-88	-88	31	181	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Phorate	n/a	=	0.0896	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Phorate	n/a	=	179	%	EPA 525.2m	-88	-88	31	181	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Phorate	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Phorate	n/a	=	0.0838	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Phorate	n/a	=	168	%	EPA 525.2m	-88	-88	31	181	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Phorate	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Phorate	n/a	=	0.0826	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Phorate	n/a	=	165	%	EPA 525.2m	-88	-88	31	181	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Phorate	n/a	=	0.0603	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Phorate	n/a	=	121	%	EPA 525.2m	-88	-88	26	180	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Phorate	n/a	=	0.0746	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Phorate	n/a	=	149	%	EPA 525.2m	-88	-88	26	180	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Phorate	n/a	=	0.0491	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Phorate	n/a	=	98	%	EPA 525.2m	-88	-88	26	180	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Phorate	n/a	=	0.0594	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Phorate	n/a	=	119	%	EPA 525.2m	-88	-88	31	181	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Phorate	n/a	=	0.069	µg/L	EPA 525.2m	0.003	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Phorate	n/a	=	138	%	EPA 525.2m	-88	-88	31	181	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Phorate	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/1/2020	Pesticide	Picloram	n/a	=	3.87	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	000NONPJ	matrix spike, rec	5/1/2020	Pesticide	Picloram	n/a	=	97	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/1/2020	Pesticide	Picloram	n/a	=	4.04	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	000NONPJ	matrix spike dup, rec	5/1/2020	Pesticide	Picloram	n/a	=	101	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/1/2020	Pesticide	Picloram	n/a	=	4	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Picloram	n/a	=	4.51	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Picloram	n/a	=	113	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/15/2020	Pesticide	Picloram	n/a	=	4.41	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	000NONPJ	matrix spike dup, rec	5/15/2020	Pesticide	Picloram	n/a	=	110	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/15/2020	Pesticide	Picloram	n/a	=	2	%	EPA 515.4	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/22/2020	Pesticide	Picloram	n/a	=	4.32	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	000NONPJ	matrix spike, rec	5/22/2020	Pesticide	Picloram	n/a	=	108	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/23/2020	Pesticide	Picloram	n/a	=	4.38	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	000NONPJ	matrix spike dup, rec	5/23/2020	Pesticide	Picloram	n/a	=	110	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/23/2020	Pesticide	Picloram	n/a	=	1	%	EPA 515.4	-88	-88	0	30	
2019/20-5	Lab	method blank	5/1/2020	Pesticide	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	Lab	LCS	5/1/2020	Pesticide	Picloram	n/a	=	3.94	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	Lab	LCS, rec	5/1/2020	Pesticide	Picloram	n/a	=	98	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/15/2020	Pesticide	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	Lab	LCS	5/15/2020	Pesticide	Picloram	n/a	=	4.42	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	Lab	LCS, rec	5/15/2020	Pesticide	Picloram	n/a	=	111	%	EPA 515.4	-88	-88	70	130	
2019/20-5	Lab	method blank	5/22/2020	Pesticide	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	Lab	LCS	5/22/2020	Pesticide	Picloram	n/a	=	4.2	µg/L	EPA 515.4	0.038	0.6			
2019/20-5	Lab	LCS, rec	5/22/2020	Pesticide	Picloram	n/a	=	105	%	EPA 515.4	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Prometon	n/a	=	6.21	µg/L	EPA 525.2	0.024	0.2			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Prometon	n/a	=	124	%	EPA 525.2	-88	-88	15	120	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Prometon	n/a	=	6.12	µg/L	EPA 525.2	0.024	0.2			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Prometon	n/a	=	122	%	EPA 525.2	-88	-88	15	120	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Prometon	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Prometon	n/a	=	2.98	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Prometon	n/a	=	60	%	EPA 525.2	-88	-88	15	120	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Prometon	n/a	=	3.17	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Prometon	n/a	=	63	%	EPA 525.2	-88	-88	15	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Prometon	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Prometon	n/a	=	3.04	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Prometon	n/a	=	61	%	EPA 525.2	-88	-88	15	120	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Prometon	n/a	=	3.36	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Prometon	n/a	=	67	%	EPA 525.2	-88	-88	15	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Prometon	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Prometon	n/a	=	3.29	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Prometon	n/a	=	66	%	EPA 525.2	-88	-88	15	120	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Prometon	n/a	=	2.67	µg/L	EPA 525.2	0.024	0.2			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Prometon	n/a	=	53	%	EPA 525.2	-88	-88	15	120	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Prometryn	n/a	=	7.75	µg/L	EPA 525.2	0.036	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Prometryn	n/a	=	155	%	EPA 525.2	-88	-88	30	120	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Prometryn	n/a	=	7.76	µg/L	EPA 525.2	0.036	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Prometryn	n/a	=	155	%	EPA 525.2	-88	-88	30	120	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Prometryn	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Prometryn	n/a	=	4.29	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Prometryn	n/a	=	86	%	EPA 525.2	-88	-88	30	120	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Prometryn	n/a	=	4.41	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Prometryn	n/a	=	88	%	EPA 525.2	-88	-88	30	120	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Prometryn	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Prometryn	n/a	=	4.64	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Prometryn	n/a	=	93	%	EPA 525.2	-88	-88	30	120	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Prometryn	n/a	=	5.06	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Prometryn	n/a	=	101	%	EPA 525.2	-88	-88	30	120	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Prometryn	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Prometryn	n/a	=	5.51	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Prometryn	n/a	=	110	%	EPA 525.2	-88	-88	30	120	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Prometryn	n/a	=	4.26	µg/L	EPA 525.2	0.036	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Prometryn	n/a	=	85	%	EPA 525.2	-88	-88	30	120	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0759	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	152	%	EPA 525.2m	-88	-88	29	153	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0664	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	133	%	EPA 525.2m	-88	-88	29	153	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.063	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	126	%	EPA 525.2m	-88	-88	29	153	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0666	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	133	%	EPA 525.2m	-88	-88	29	153	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0548	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	110	%	EPA 525.2m	-88	-88	34	154	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0602	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	120	%	EPA 525.2m	-88	-88	34	154	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0484	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	97	%	EPA 525.2m	-88	-88	34	154	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0571	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	114	%	EPA 525.2m	-88	-88	29	153	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0603	µg/L	EPA 525.2m	0.0041	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	121	%	EPA 525.2m	-88	-88	29	153	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Ronnel (Fenclorphos)	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Simazine	n/a	=	6.85	µg/L	EPA 525.2	0.015	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Simazine	n/a	=	137	%	EPA 525.2	-88	-88	60	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Simazine	n/a	=	6.97	µg/L	EPA 525.2	0.015	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Simazine	n/a	=	139	%	EPA 525.2	-88	-88	60	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Simazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Simazine	n/a	=	5.36	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Simazine	n/a	=	107	%	EPA 525.2	-88	-88	60	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Simazine	n/a	=	5.51	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Simazine	n/a	=	110	%	EPA 525.2	-88	-88	60	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Simazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Simazine	n/a	=	5.21	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Simazine	n/a	=	104	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Simazine	n/a	=	5.31	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Simazine	n/a	=	106	%	EPA 525.2	-88	-88	60	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Simazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Simazine	n/a	=	6.55	µg/L	EPA 525.2	0.015	0.1			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Simazine	n/a	=	131	%	EPA 525.2	-88	-88	60	130	EUM
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Simazine	n/a	=	5.56	µg/L	EPA 525.2	0.015	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Simazine	n/a	=	111	%	EPA 525.2	-88	-88	60	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.175	µg/L	EPA 525.2m	0.0031	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	351	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.165	µg/L	EPA 525.2m	0.0031	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	329	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.132	µg/L	EPA 525.2m	0.0031	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	265	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.137	µg/L	EPA 525.2m	0.0031	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	275	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0807	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	161	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.104	µg/L	EPA 525.2m	0.0031	0.01			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	209	%	EPA 525.2m	-88	-88	0.1	188	EUM
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0387	µg/L	EPA 525.2m	0.0031	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	188	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.151	µg/L	EPA 525.2m	0.0031	0.01			GB
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	301	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.178	µg/L	EPA 525.2m	0.0031	0.01			GB
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	356	%	EPA 525.2m	-88	-88	0.1	167	GB
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Terbacil	n/a	=	8.33	µg/L	EPA 525.2	0.55	2			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Terbacil	n/a	=	167	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Terbacil	n/a	=	8	µg/L	EPA 525.2	0.55	2			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Terbacil	n/a	=	160	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Terbacil	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Terbacil	n/a	=	5.49	µg/L	EPA 525.2	0.55	2			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Terbacil	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Terbacil	n/a	=	5.71	µg/L	EPA 525.2	0.55	2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Terbacil	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Terbacil	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Terbacil	n/a	=	5.83	µg/L	EPA 525.2	0.55	2			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Terbacil	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Terbacil	n/a	=	5.71	µg/L	EPA 525.2	0.55	2			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Terbacil	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Terbacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Terbacil	n/a	=	6.38	µg/L	EPA 525.2	0.55	2			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Terbacil	n/a	=	128	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Terbacil	n/a	=	5.67	µg/L	EPA 525.2	0.55	2			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Terbacil	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Thiobencarb	n/a	=	8.06	µg/L	EPA 525.2	0.025	0.2			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Thiobencarb	n/a	=	161	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Thiobencarb	n/a	=	7.96	µg/L	EPA 525.2	0.025	0.2			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Thiobencarb	n/a	=	159	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Thiobencarb	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Thiobencarb	n/a	=	5.02	µg/L	EPA 525.2	0.025	0.2			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Thiobencarb	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Thiobencarb	n/a	=	5.04	µg/L	EPA 525.2	0.025	0.2			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Thiobencarb	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Thiobencarb	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Thiobencarb	n/a	=	5.51	µg/L	EPA 525.2	0.025	0.2			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Thiobencarb	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Thiobencarb	n/a	=	5.67	µg/L	EPA 525.2	0.025	0.2			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Thiobencarb	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Thiobencarb	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Thiobencarb	n/a	=	7.03	µg/L	EPA 525.2	0.025	0.2			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Thiobencarb	n/a	=	141	%	EPA 525.2	-88	-88	70	130	EUM
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Thiobencarb	n/a	=	5.05	µg/L	EPA 525.2	0.025	0.2			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Thiobencarb	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Tokuthion	n/a	=	0.123	µg/L	EPA 525.2m	0.0078	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Tokuthion	n/a	=	246	%	EPA 525.2m	-88	-88	27	160	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Tokuthion	n/a	=	0.0973	µg/L	EPA 525.2m	0.0078	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Tokuthion	n/a	=	195	%	EPA 525.2m	-88	-88	27	160	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Tokuthion	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Tokuthion	n/a	=	0.0971	µg/L	EPA 525.2m	0.0078	0.01			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Tokuthion	n/a	=	194	%	EPA 525.2m	-88	-88	27	160	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Tokuthion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Tokuthion	n/a	=	0.0874	µg/L	EPA 525.2m	0.0078	0.01			GB
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Tokuthion	n/a	=	175	%	EPA 525.2m	-88	-88	27	160	GB
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Tokuthion	n/a	=	0.0832	µg/L	EPA 525.2m	0.0078	0.01			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Tokuthion	n/a	=	166	%	EPA 525.2m	-88	-88	23	159	EUM
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Tokuthion	n/a	=	0.0752	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Tokuthion	n/a	=	150	%	EPA 525.2m	-88	-88	23	159	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Tokuthion	n/a	=	0.0504	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Tokuthion	n/a	=	101	%	EPA 525.2m	-88	-88	23	159	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Tokuthion	n/a	=	0.0486	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Tokuthion	n/a	=	97	%	EPA 525.2m	-88	-88	27	160	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Tokuthion	n/a	=	0.0556	µg/L	EPA 525.2m	0.0078	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Tokuthion	n/a	=	111	%	EPA 525.2m	-88	-88	27	160	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Tokuthion	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	Lab	method blank	5/11/2020	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-5	Lab	method blank	6/2/2020	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-5	Lab	method blank	6/3/2020	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5			
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Trichloronate	n/a	=	0.0673	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Trichloronate	n/a	=	135	%	EPA 525.2m	-88	-88	40	150	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Trichloronate	n/a	=	0.0607	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Trichloronate	n/a	=	121	%	EPA 525.2m	-88	-88	40	150	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Trichloronate	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Trichloronate	n/a	=	0.0581	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Trichloronate	n/a	=	116	%	EPA 525.2m	-88	-88	40	150	
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Trichloronate	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/15/2020	Pesticide	Trichloronate	n/a	=	0.065	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	000NONPJ	matrix spike, rec	5/15/2020	Pesticide	Trichloronate	n/a	=	130	%	EPA 525.2m	-88	-88	40	150	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Trichloronate	n/a	=	0.0548	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Trichloronate	n/a	=	110	%	EPA 525.2m	-88	-88	34	153	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Trichloronate	n/a	=	0.0617	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Trichloronate	n/a	=	123	%	EPA 525.2m	-88	-88	34	153	
2019/20-5	Lab	LCS	6/11/2020	Pesticide	Trichloronate	n/a	=	0.051	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	Lab	LCS, rec	6/11/2020	Pesticide	Trichloronate	n/a	=	102	%	EPA 525.2m	-88	-88	34	153	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-5	Lab	method blank	6/12/2020	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	ME-CC	matrix spike	6/11/2020	Pesticide	Trichloronate	n/a	=	0.0598	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	ME-CC	matrix spike, rec	6/11/2020	Pesticide	Trichloronate	n/a	=	120	%	EPA 525.2m	-88	-88	40	150	
2019/20-5	ME-CC	matrix spike dup	6/11/2020	Pesticide	Trichloronate	n/a	=	0.0725	µg/L	EPA 525.2m	0.0067	0.01			
2019/20-5	ME-CC	matrix spike dup, rec	6/11/2020	Pesticide	Trichloronate	n/a	=	145	%	EPA 525.2m	-88	-88	40	150	
2019/20-5	ME-CC	matrix spike, RPD	6/11/2020	Pesticide	Trichloronate	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/14/2020	Pesticide	Trithion	n/a	=	8.3	µg/L	EPA 525.2	0.012	0.1			GB
2019/20-5	000NONPJ	matrix spike, rec	5/14/2020	Pesticide	Trithion	n/a	=	166	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike dup	5/14/2020	Pesticide	Trithion	n/a	=	8.69	µg/L	EPA 525.2	0.012	0.1			GB
2019/20-5	000NONPJ	matrix spike dup, rec	5/14/2020	Pesticide	Trithion	n/a	=	174	%	EPA 525.2	-88	-88	70	130	GB
2019/20-5	000NONPJ	matrix spike, RPD	5/14/2020	Pesticide	Trithion	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-5	000NONPJ	matrix spike	5/21/2020	Pesticide	Trithion	n/a	=	5.27	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	000NONPJ	matrix spike, rec	5/21/2020	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike dup	5/21/2020	Pesticide	Trithion	n/a	=	5.39	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	000NONPJ	matrix spike dup, rec	5/21/2020	Pesticide	Trithion	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-5	000NONPJ	matrix spike, RPD	5/21/2020	Pesticide	Trithion	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	4/30/2020	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS	4/30/2020	Pesticide	Trithion	n/a	=	5.52	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS, rec	4/30/2020	Pesticide	Trithion	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS dup	4/30/2020	Pesticide	Trithion	n/a	=	5.74	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS dup, rec	4/30/2020	Pesticide	Trithion	n/a	=	115	%	EPA 525.2	-88	-88	70	130	
2019/20-5	Lab	LCS, RPD	4/30/2020	Pesticide	Trithion	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-5	Lab	method blank	5/14/2020	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS	5/14/2020	Pesticide	Trithion	n/a	=	7.09	µg/L	EPA 525.2	0.012	0.1			EUM
2019/20-5	Lab	LCS, rec	5/14/2020	Pesticide	Trithion	n/a	=	142	%	EPA 525.2	-88	-88	70	130	EUM
2019/20-5	Lab	method blank	5/20/2020	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS	5/20/2020	Pesticide	Trithion	n/a	=	5.25	µg/L	EPA 525.2	0.012	0.1			
2019/20-5	Lab	LCS, rec	5/20/2020	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Aluminum	Total	=	468	µg/L	EPA 200.8	1.3	5			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Aluminum	Total	DNQ	2.6	µg/L	EPA 200.8	1.3	5			IP
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Aluminum	Total	DNQ	2.04	µg/L	EPA 200.8	1.3	5			IP
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Aluminum	Total	=	50.5	µg/L	EPA 200.8	1.3	5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Aluminum	Total	=	20	µg/L	EPA 200.8	1.3	5			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Aluminum	Total	=	70.3	µg/L	EPA 200.8	1.3	5			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Aluminum	Total	=	61.3	µg/L	EPA 200.8	1.3	5			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Aluminum	Total	=	83	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Aluminum	Total	=	14	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Antimony	Total	DNQ	0.277	µg/L	EPA 200.8	0.045	0.5			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Antimony	Total	DNQ	0.0604	µg/L	EPA 200.8	0.045	0.5			IP
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Antimony	Total	=	53.2	µg/L	EPA 200.8	0.045	0.5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Antimony	Total	DNQ	0.071	µg/L	EPA 200.8	0.045	0.5			IP
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Antimony	Total	=	53.5	µg/L	EPA 200.8	0.045	0.5			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Antimony	Total	=	107	%	EPA 200.8	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Antimony	Total	=	52.1	µg/L	EPA 200.8	0.045	0.5			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Antimony	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Antimony	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Arsenic	Total	=	4.22	µg/L	EPA 200.8	0.074	0.4			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Arsenic	Total	=	51.4	µg/L	EPA 200.8	0.074	0.4			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Arsenic	Total	=	50	µg/L	EPA 200.8	0.074	0.4			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Arsenic	Total	=	50.4	µg/L	EPA 200.8	0.074	0.4			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Arsenic	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Beryllium	Total	=	49.1	µg/L	EPA 200.8	0.033	0.1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Beryllium	Total	=	50.9	µg/L	EPA 200.8	0.033	0.1			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Beryllium	Total	=	48.6	µg/L	EPA 200.8	0.033	0.1			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Beryllium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Cadmium	Total	=	51.5	µg/L	EPA 200.8	0.041	0.1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Cadmium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Cadmium	Total	=	52.1	µg/L	EPA 200.8	0.041	0.1			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Cadmium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Cadmium	Total	=	51.2	µg/L	EPA 200.8	0.041	0.1			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Chromium	Total	=	0.548	µg/L	EPA 200.8	0.035	0.2			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Chromium	Total	DNQ	0.084	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Chromium	Total	DNQ	0.0811	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Chromium	Total	=	48.6	µg/L	EPA 200.8	0.035	0.2			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Chromium	Total	DNQ	0.1	µg/L	EPA 200.8	0.035	0.2			IP
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Chromium	Total	=	48.4	µg/L	EPA 200.8	0.035	0.2			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Chromium	Total	=	46.3	µg/L	EPA 200.8	0.035	0.2			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Chromium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Chromium	Total	=	5	%	EPA 200.8	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Copper	Total	=	2.34	µg/L	EPA 200.8	0.13	0.5			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Copper	Total	=	0.68	µg/L	EPA 200.8	0.13	0.5			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Copper	Total	=	53	µg/L	EPA 200.8	0.13	0.5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Copper	Total	DNQ	0.43	µg/L	EPA 200.8	0.13	0.5			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Copper	Total	=	50.6	µg/L	EPA 200.8	0.13	0.5			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Copper	Total	=	51.9	µg/L	EPA 200.8	0.13	0.5			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Copper	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/4/2019	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2019/20-PRE	Carboy Blank	matrix spike	9/4/2019	Metal	Iron	Total	=	210	µg/L	EPA 200.7	1.1	10			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/4/2019	Metal	Iron	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/4/2019	Metal	Iron	Total	=	209	µg/L	EPA 200.7	1.1	10			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/4/2019	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/4/2019	Metal	Iron	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2019/20-PRE	Lab	method blank	9/4/2019	Metal	Iron	Total	DNQ	2	µg/L	EPA 200.7	1.1	10			IP
2019/20-PRE	Lab	LCS	9/4/2019	Metal	Iron	Total	=	203	µg/L	EPA 200.7	1.1	10			
2019/20-PRE	Lab	LCS, rec	9/4/2019	Metal	Iron	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	9/4/2019	Metal	Iron	Total	=	32	µg/L	EPA 200.7	1.1	10			
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Lead	Total	=	0.443	µg/L	EPA 200.8	0.031	0.2			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Lead	Total	=	52.3	µg/L	EPA 200.8	0.031	0.2			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Lead	Total	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Lead	Total	=	52.3	µg/L	EPA 200.8	0.031	0.2			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Lead	Total	=	51.6	µg/L	EPA 200.8	0.031	0.2			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Lead	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	matrix spike	9/5/2019	Metal	Mercury	Total	=	965	ng/L	EPA 245.1	17	50			
2019/20-PRE	000NONPJ	matrix spike, rec	9/5/2019	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	70	130	
2019/20-PRE	000NONPJ	matrix spike dup	9/5/2019	Metal	Mercury	Total	=	939	ng/L	EPA 245.1	17	50			
2019/20-PRE	000NONPJ	matrix spike dup, rec	9/5/2019	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2019/20-PRE	000NONPJ	matrix spike, RPD	9/5/2019	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2019/20-PRE	Carboy Blank	equip blank	9/5/2019	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-PRE	Carboy Blank	matrix spike	9/5/2019	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	17	50			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/5/2019	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/5/2019	Metal	Mercury	Total	=	987	ng/L	EPA 245.1	17	50			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/5/2019	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/5/2019	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2019/20-PRE	Lab	method blank	9/5/2019	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			
2019/20-PRE	Lab	LCS	9/5/2019	Metal	Mercury	Total	=	969	ng/L	EPA 245.1	17	50			
2019/20-PRE	Lab	LCS, rec	9/5/2019	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	9/5/2019	Metal	Mercury	Total	<	17	ng/L	EPA 245.1	17	50			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Nickel	Total	=	1.72	µg/L	EPA 200.8	0.045	0.8			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Nickel	Total	DNQ	0.045	µg/L	EPA 200.8	0.045	0.8			IP
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Nickel	Total	DNQ	0.108	µg/L	EPA 200.8	0.045	0.8			IP
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Nickel	Total	=	51.9	µg/L	EPA 200.8	0.045	0.8			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Nickel	Total	DNQ	0.58	µg/L	EPA 200.8	0.045	0.8			IP
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Nickel	Total	=	49.4	µg/L	EPA 200.8	0.045	0.8			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Nickel	Total	=	50.2	µg/L	EPA 200.8	0.045	0.8			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Nickel	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Selenium	Total	DNQ	0.345	µg/L	EPA 200.8	0.14	0.4			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Selenium	Total	=	51	µg/L	EPA 200.8	0.14	0.4			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Selenium	Total	=	49.1	µg/L	EPA 200.8	0.14	0.4			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Selenium	Total	=	50.4	µg/L	EPA 200.8	0.14	0.4			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Silver	Total	=	51.7	µg/L	EPA 200.8	0.062	0.2			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Silver	Total	=	50.6	µg/L	EPA 200.8	0.062	0.2			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Silver	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Silver	Total	=	50.1	µg/L	EPA 200.8	0.062	0.2			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Silver	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Thallium	Total	=	50.7	µg/L	EPA 200.8	0.014	0.2			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Thallium	Total	=	50.1	µg/L	EPA 200.8	0.014	0.2			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Thallium	Total	=	49.8	µg/L	EPA 200.8	0.014	0.2			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Thallium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	000NONPJ	lab duplicate	8/30/2019	Metal	Zinc	Total	=	10.9	µg/L	EPA 200.8	0.94	5			
2019/20-PRE	Carboy Blank	equip blank	8/30/2019	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2019/20-PRE	Lab	method blank	8/30/2019	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Lab	LCS	8/30/2019	Metal	Zinc	Total	=	54	µg/L	EPA 200.8	0.94	5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Metal	Zinc	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2019/20-PRE	Tubing Blank	equip blank	8/30/2019	Metal	Zinc	Total	DNQ	1.2	µg/L	EPA 200.8	0.94	5			
2019/20-PRE	Tubing Blank	matrix spike	8/30/2019	Metal	Zinc	Total	=	51.5	µg/L	EPA 200.8	0.94	5			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/30/2019	Metal	Zinc	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike dup	8/30/2019	Metal	Zinc	Total	=	53	µg/L	EPA 200.8	0.94	5			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/30/2019	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/30/2019	Metal	Zinc	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2019/20-PRE	Carboy Blank	matrix spike	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	1.97	mg/L	EPA 353.2	0.083	0.2			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-PRE	Carboy Blank	matrix spike dup	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	1.96	mg/L	EPA 353.2	0.083	0.2			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.5	%	EPA 353.2	-88	-88	0	20	
2019/20-PRE	Lab	method blank	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2019/20-PRE	Lab	LCS	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0.945	mg/L	EPA 353.2	0.083	0.2			
2019/20-PRE	Lab	LCS, rec	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2019/20-PRE	Tubing Blank	equip blank	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	<	0.083	mg/L	EPA 353.2	0.083	0.2			
2019/20-PRE	Tubing Blank	matrix spike	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	1.99	mg/L	EPA 353.2	0.083	0.2			
2019/20-PRE	Tubing Blank	matrix spike, rec	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-PRE	Tubing Blank	matrix spike dup	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	1.99	mg/L	EPA 353.2	0.083	0.2			
2019/20-PRE	Tubing Blank	matrix spike dup, rec	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2019/20-PRE	Tubing Blank	matrix spike, RPD	8/28/2019	Nutrient	Nitrate + Nitrite as N	n/a	=	0	%	EPA 353.2	-88	-88	0	20	
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	17.8	µg/L	EPA 625	0.55	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	44	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	16.7	µg/L	EPA 625	0.55	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	44	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.55	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	1,2,4-Trichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	44	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	1,2-Dichlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.57	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	1,2-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	46	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	1,2-Dichlorobenzene	n/a	=	17.5	µg/L	EPA 625	0.57	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	1,2-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	46	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	1,2-Dichlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	1,2-Dichlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.57	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	1,2-Dichlorobenzene	n/a	=	73	%	EPA 625	-88	-88	44	120	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	1,3-Dichlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.53	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	1,3-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	39	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	1,3-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.53	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	1,3-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	39	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	1,3-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	1,3-Dichlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.53	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	1,3-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	42	120	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2019/20-PRE	Carboy Blank	srgt matrix spike	9/9/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.21	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	9/9/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	9/9/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.33	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	9/9/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	srgt equip blank	9/10/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt equip blank, rec	9/10/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Lab	srgt method blank	9/9/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Lab	srgt method blank, rec	9/9/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Lab	srgt LCS	9/9/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	9/9/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	srgt equip blank	9/10/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.63	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	9/10/2019	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	1,4-Dichlorobenzene	n/a	=	17.3	µg/L	EPA 625	0.55	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	1,4-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	40	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	1,4-Dichlorobenzene	n/a	=	16.6	µg/L	EPA 625	0.55	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	1,4-Dichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	40	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	1,4-Dichlorobenzene	n/a	=	17	µg/L	EPA 625	0.55	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	1,4-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	42	120	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2019/20-PRE	Carboy Blank	srgt matrix spike	8/30/2019	Organic	2,4,6-Tribromophenol	n/a	=	39.5	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	8/30/2019	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	8/30/2019	Organic	2,4,6-Tribromophenol	n/a	=	38.6	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	8/30/2019	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 625	-88	-88	25	102	
2019/20-PRE	Carboy Blank	srgt equip blank	8/31/2019	Organic	2,4,6-Tribromophenol	n/a	=	22	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt equip blank, rec	8/31/2019	Organic	2,4,6-Tribromophenol	n/a	=	44	%	EPA 625	-88	-88	25	102	
2019/20-PRE	Lab	srgt method blank	8/30/2019	Organic	2,4,6-Tribromophenol	n/a	=	35.6	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt method blank, rec	8/30/2019	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625	-88	-88	25	102	
2019/20-PRE	Lab	srgt LCS	8/30/2019	Organic	2,4,6-Tribromophenol	n/a	=	39.1	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	8/30/2019	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 625	-88	-88	25	102	
2019/20-PRE	Tubing Blank	srgt equip blank	8/31/2019	Organic	2,4,6-Tribromophenol	n/a	=	29	µg/L	EPA 625	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	8/31/2019	Organic	2,4,6-Tribromophenol	n/a	=	58	%	EPA 625	-88	-88	25	102	
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2,4,6-Trichlorophenol	n/a	=	19.4	µg/L	EPA 625	0.22	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2,4,6-Trichlorophenol	n/a	=	78	%	EPA 625	-88	-88	37	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2,4,6-Trichlorophenol	n/a	=	18.4	µg/L	EPA 625	0.22	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 625	-88	-88	37	130	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2,4,6-Trichlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2,4,6-Trichlorophenol	n/a	=	18.6	µg/L	EPA 625	0.22	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 625	-88	-88	46	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2,4-Dichlorophenol	n/a	=	19.2	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2,4-Dichlorophenol	n/a	=	77	%	EPA 625	-88	-88	43	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2,4-Dichlorophenol	n/a	=	18	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2,4-Dichlorophenol	n/a	=	72	%	EPA 625	-88	-88	43	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2,4-Dichlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2,4-Dichlorophenol	n/a	=	18.6	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2,4-Dichlorophenol	n/a	=	74	%	EPA 625	-88	-88	45	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2,4-Dimethylphenol	n/a	=	17.9	µg/L	EPA 625	0.3	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2,4-Dimethylphenol	n/a	=	71	%	EPA 625	-88	-88	32	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2,4-Dimethylphenol	n/a	=	16.1	µg/L	EPA 625	0.3	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2,4-Dimethylphenol	n/a	=	64	%	EPA 625	-88	-88	32	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2,4-Dimethylphenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2,4-Dimethylphenol	n/a	=	17	µg/L	EPA 625	0.3	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2,4-Dimethylphenol	n/a	=	68	%	EPA 625	-88	-88	33	119	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2,4-Dinitrophenol	n/a	=	27.6	µg/L	EPA 625	1.6	10			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2,4-Dinitrophenol	n/a	=	110	%	EPA 625	-88	-88	18	156	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2,4-Dinitrophenol	n/a	=	27.3	µg/L	EPA 625	1.6	10			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2,4-Dinitrophenol	n/a	=	109	%	EPA 625	-88	-88	18	156	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2,4-Dinitrophenol	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2,4-Dinitrophenol	n/a	=	24.3	µg/L	EPA 625	1.6	10			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2,4-Dinitrophenol	n/a	=	97	%	EPA 625	-88	-88	36	163	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2,4-Dinitrotoluene	n/a	=	21.9	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2,4-Dinitrotoluene	n/a	=	87	%	EPA 625	-88	-88	58	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2,4-Dinitrotoluene	n/a	=	21.1	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2,4-Dinitrotoluene	n/a	=	84	%	EPA 625	-88	-88	58	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2,4-Dinitrotoluene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2,4-Dinitrotoluene	n/a	=	20.6	µg/L	EPA 625	0.18	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2,4-Dinitrotoluene	n/a	=	82	%	EPA 625	-88	-88	58	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2,6-Dinitrotoluene	n/a	=	20.3	µg/L	EPA 625	0.27	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2,6-Dinitrotoluene	n/a	=	81	%	EPA 625	-88	-88	50	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2,6-Dinitrotoluene	n/a	=	19.5	µg/L	EPA 625	0.27	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2,6-Dinitrotoluene	n/a	=	78	%	EPA 625	-88	-88	50	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2,6-Dinitrotoluene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2,6-Dinitrotoluene	n/a	=	19.3	µg/L	EPA 625	0.27	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2,6-Dinitrotoluene	n/a	=	77	%	EPA 625	-88	-88	50	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2-Chloronaphthalene	n/a	=	18.5	µg/L	EPA 625	0.45	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2-Chloronaphthalene	n/a	=	74	%	EPA 625	-88	-88	41	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2-Chloronaphthalene	n/a	=	17.5	µg/L	EPA 625	0.45	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2-Chloronaphthalene	n/a	=	70	%	EPA 625	-88	-88	41	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2-Chloronaphthalene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2-Chloronaphthalene	n/a	=	17.7	µg/L	EPA 625	0.45	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2-Chloronaphthalene	n/a	=	71	%	EPA 625	-88	-88	60	118	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2-Chlorophenol	n/a	=	18.3	µg/L	EPA 625	0.28	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2-Chlorophenol	n/a	=	73	%	EPA 625	-88	-88	23	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2-Chlorophenol	n/a	=	17	µg/L	EPA 625	0.28	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2-Chlorophenol	n/a	=	68	%	EPA 625	-88	-88	23	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2-Chlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2-Chlorophenol	n/a	=	17.8	µg/L	EPA 625	0.28	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2-Chlorophenol	n/a	=	71	%	EPA 625	-88	-88	44	120	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2019/20-PRE	Carboy Blank	srgt matrix spike	8/30/2019	Organic	2-Fluorobiphenyl	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	8/30/2019	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625	-88	-88	43	120	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	8/30/2019	Organic	2-Fluorobiphenyl	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	8/30/2019	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	43	120	
2019/20-PRE	Carboy Blank	srgt equip blank	8/31/2019	Organic	2-Fluorobiphenyl	n/a	=	11.1	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt equip blank, rec	8/31/2019	Organic	2-Fluorobiphenyl	n/a	=	44	%	EPA 625	-88	-88	43	120	
2019/20-PRE	Lab	srgt method blank	8/30/2019	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt method blank, rec	8/30/2019	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	43	120	
2019/20-PRE	Lab	srgt LCS	8/30/2019	Organic	2-Fluorobiphenyl	n/a	=	18	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	8/30/2019	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	43	120	
2019/20-PRE	Tubing Blank	srgt equip blank	8/31/2019	Organic	2-Fluorobiphenyl	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	8/31/2019	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625	-88	-88	43	120	
2019/20-PRE	Carboy Blank	srgt matrix spike	8/30/2019	Organic	2-Fluorophenol	n/a	=	24.1	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	8/30/2019	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	31	100	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	8/30/2019	Organic	2-Fluorophenol	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	8/30/2019	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	31	100	
2019/20-PRE	Carboy Blank	srgt equip blank	8/31/2019	Organic	2-Fluorophenol	n/a	=	13.9	µg/L	EPA 625	-88	-88			GN
2019/20-PRE	Carboy Blank	srgt equip blank, rec	8/31/2019	Organic	2-Fluorophenol	n/a	=	28	%	EPA 625	-88	-88	31	100	GN

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Lab	srgt method blank	8/30/2019	Organic	2-Fluorophenol	n/a	=	26.6	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt method blank, rec	8/30/2019	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625	-88	-88	31	100	
2019/20-PRE	Lab	srgt LCS	8/30/2019	Organic	2-Fluorophenol	n/a	=	24.3	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	8/30/2019	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	31	100	
2019/20-PRE	Tubing Blank	srgt equip blank	8/31/2019	Organic	2-Fluorophenol	n/a	=	19.4	µg/L	EPA 625	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	8/31/2019	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	31	100	
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	2-Nitrophenol	n/a	=	19.1	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	2-Nitrophenol	n/a	=	77	%	EPA 625	-88	-88	37	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	2-Nitrophenol	n/a	=	18.6	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	2-Nitrophenol	n/a	=	74	%	EPA 625	-88	-88	37	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	2-Nitrophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	2-Nitrophenol	n/a	=	18.8	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	2-Nitrophenol	n/a	=	75	%	EPA 625	-88	-88	41	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	27.3	µg/L	EPA 625	1.2	5			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	109	%	EPA 625	-88	-88	0.1	222	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	27.2	µg/L	EPA 625	1.2	5			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	109	%	EPA 625	-88	-88	0.1	222	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	24	µg/L	EPA 625	1.2	5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	3,3'-Dichlorobenzidine	n/a	=	96	%	EPA 625	-88	-88	18	143	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.5	µg/L	EPA 625	1.7	5			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 625	-88	-88	30	150	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.4	µg/L	EPA 625	1.7	5			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 625	-88	-88	30	150	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	21.3	µg/L	EPA 625	1.7	5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	=	85	%	EPA 625	-88	-88	42	150	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	19.8	µg/L	EPA 625	0.36	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	54	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	19.1	µg/L	EPA 625	0.36	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	76	%	EPA 625	-88	-88	54	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	18.7	µg/L	EPA 625	0.36	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	4-Bromophenyl phenyl ether	n/a	=	75	%	EPA 625	-88	-88	56	127	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	4-Chloro-3-methylphenol	n/a	=	20.3	µg/L	EPA 625	0.23	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	4-Chloro-3-methylphenol	n/a	=	81	%	EPA 625	-88	-88	24	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	4-Chloro-3-methylphenol	n/a	=	18.5	µg/L	EPA 625	0.23	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	4-Chloro-3-methylphenol	n/a	=	74	%	EPA 625	-88	-88	24	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	4-Chloro-3-methylphenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	4-Chloro-3-methylphenol	n/a	=	19.5	µg/L	EPA 625	0.23	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	4-Chloro-3-methylphenol	n/a	=	78	%	EPA 625	-88	-88	47	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.1	µg/L	EPA 625	0.41	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	72	%	EPA 625	-88	-88	49	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	16.7	µg/L	EPA 625	0.41	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	67	%	EPA 625	-88	-88	49	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	8	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	17	µg/L	EPA 625	0.41	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	4-Chlorophenyl phenyl ether	n/a	=	68	%	EPA 625	-88	-88	44	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	4-Nitrophenol	n/a	=	9.64	µg/L	EPA 625	0.45	5			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	4-Nitrophenol	n/a	=	39	%	EPA 625	-88	-88	5	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	4-Nitrophenol	n/a	=	8.83	µg/L	EPA 625	0.45	5			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	4-Nitrophenol	n/a	=	35	%	EPA 625	-88	-88	5	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	4-Nitrophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	4-Nitrophenol	n/a	=	8.09	µg/L	EPA 625	0.45	5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	4-Nitrophenol	n/a	=	32	%	EPA 625	-88	-88	24	100	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Acenaphthene	n/a	=	18.7	µg/L	EPA 625	0.38	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Acenaphthene	n/a	=	75	%	EPA 625	-88	-88	47	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Acenaphthene	n/a	=	17.6	µg/L	EPA 625	0.38	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Acenaphthene	n/a	=	70	%	EPA 625	-88	-88	47	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Acenaphthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Acenaphthene	n/a	=	17.9	µg/L	EPA 625	0.38	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Acenaphthene	n/a	=	71	%	EPA 625	-88	-88	47	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Acenaphthylene	n/a	=	19.5	µg/L	EPA 625	0.4	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Acenaphthylene	n/a	=	78	%	EPA 625	-88	-88	33	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Acenaphthylene	n/a	=	18.4	µg/L	EPA 625	0.4	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Acenaphthylene	n/a	=	74	%	EPA 625	-88	-88	33	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Acenaphthylene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Acenaphthylene	n/a	=	19	µg/L	EPA 625	0.4	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Acenaphthylene	n/a	=	76	%	EPA 625	-88	-88	44	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Anthracene	n/a	=	21.9	µg/L	EPA 625	0.34	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Anthracene	n/a	=	87	%	EPA 625	-88	-88	27	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Anthracene	n/a	=	21.3	µg/L	EPA 625	0.34	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Anthracene	n/a	=	85	%	EPA 625	-88	-88	27	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Anthracene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Anthracene	n/a	=	21.1	µg/L	EPA 625	0.34	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Anthracene	n/a	=	84	%	EPA 625	-88	-88	55	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Benz(a)anthracene	n/a	=	23.6	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Benz(a)anthracene	n/a	=	94	%	EPA 625	-88	-88	39	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Benz(a)anthracene	n/a	=	23.5	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Benz(a)anthracene	n/a	=	94	%	EPA 625	-88	-88	39	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Benz(a)anthracene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Benz(a)anthracene	n/a	=	22.6	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Benz(a)anthracene	n/a	=	90	%	EPA 625	-88	-88	50	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Benzo(a)pyrene	n/a	=	23.5	µg/L	EPA 625	0.13	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Benzo(a)pyrene	n/a	=	94	%	EPA 625	-88	-88	17	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Benzo(a)pyrene	n/a	=	23.7	µg/L	EPA 625	0.13	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Benzo(a)pyrene	n/a	=	95	%	EPA 625	-88	-88	17	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Benzo(a)pyrene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Organic	Benzo(a)pyrene	n/a	=	4.86	µg/L	EPA 525.2	0.07	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Organic	Benzo(a)pyrene	n/a	=	4.92	µg/L	EPA 525.2	0.07	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Organic	Benzo(a)pyrene	n/a	=	98	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Organic	Benzo(a)pyrene	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Benzo(a)pyrene	n/a	=	22	µg/L	EPA 625	0.13	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Benzo(a)pyrene	n/a	=	88	%	EPA 625	-88	-88	58	130	
2019/20-PRE	Lab	method blank	9/9/2019	Organic	Benzo(a)pyrene	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.02			
2019/20-PRE	Lab	LCS	9/9/2019	Organic	Benzo(a)pyrene	n/a	=	4.5	µg/L	EPA 525.2	0.07	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Organic	Benzo(a)pyrene	n/a	=	90	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Benzo(b)fluoranthene	n/a	=	26.8	µg/L	EPA 625	0.14	1			AN-IP
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Benzo(b)fluoranthene	n/a	=	107	%	EPA 625	-88	-88	54	130	AN-IP

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Benzo(b)fluoranthene	n/a	=	27.3	µg/L	EPA 625	0.14	1			AN-IP
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Benzo(b)fluoranthene	n/a	=	109	%	EPA 625	-88	-88	54	130	AN-IP
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Benzo(b)fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	AN-IP
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Benzo(b)fluoranthene	n/a	=	24.4	µg/L	EPA 625	0.14	1			AN-IP
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Benzo(b)fluoranthene	n/a	=	98	%	EPA 625	-88	-88	57	130	AN-IP
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Benzo(g,h,i)perylene	n/a	=	26.8	µg/L	EPA 625	0.1	2			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Benzo(g,h,i)perylene	n/a	=	107	%	EPA 625	-88	-88	22	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Benzo(g,h,i)perylene	n/a	=	27.3	µg/L	EPA 625	0.1	2			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Benzo(g,h,i)perylene	n/a	=	109	%	EPA 625	-88	-88	22	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Benzo(g,h,i)perylene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Benzo(g,h,i)perylene	n/a	=	25.2	µg/L	EPA 625	0.1	2			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Benzo(g,h,i)perylene	n/a	=	101	%	EPA 625	-88	-88	30	143	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Benzo(k)fluoranthene	n/a	=	23.7	µg/L	EPA 625	0.22	1			AN-IP
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Benzo(k)fluoranthene	n/a	=	95	%	EPA 625	-88	-88	44	130	AN-IP
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Benzo(k)fluoranthene	n/a	=	24	µg/L	EPA 625	0.22	1			AN-IP
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Benzo(k)fluoranthene	n/a	=	96	%	EPA 625	-88	-88	44	130	AN-IP
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Benzo(k)fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	AN-IP
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Benzo(k)fluoranthene	n/a	=	22.2	µg/L	EPA 625	0.22	1			AN-IP
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Benzo(k)fluoranthene	n/a	=	89	%	EPA 625	-88	-88	57	130	AN-IP
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.2	µg/L	EPA 625	0.25	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	73	%	EPA 625	-88	-88	33	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	17	µg/L	EPA 625	0.25	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	68	%	EPA 625	-88	-88	33	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	7	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.4	µg/L	EPA 625	0.25	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Bis(2-chloroethoxy)methane	n/a	=	70	%	EPA 625	-88	-88	34	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	17.7	µg/L	EPA 625	0.27	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	30	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	16.9	µg/L	EPA 625	0.27	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	67	%	EPA 625	-88	-88	30	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	17.4	µg/L	EPA 625	0.27	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Bis(2-chloroethyl)ether	n/a	=	70	%	EPA 625	-88	-88	39	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19	µg/L	EPA 625	0.38	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	76	%	EPA 625	-88	-88	36	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.8	µg/L	EPA 625	0.38	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	71	%	EPA 625	-88	-88	36	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.5	µg/L	EPA 625	0.38	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	=	74	%	EPA 625	-88	-88	36	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.05	µg/L	EPA 525.2	0.1	5			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.28	µg/L	EPA 525.2	0.1	5			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-PRE	Lab	method blank	9/9/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	0.6			
2019/20-PRE	Lab	LCS	9/9/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.48	µg/L	EPA 525.2	0.1	5			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	=	90	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	32.4	µg/L	EPA 625	2.3	5			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	129	%	EPA 625	-88	-88	50	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	26.4	µg/L	EPA 625	2.3	5			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	106	%	EPA 625	-88	-88	50	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	20	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.01	µg/L	EPA 525.2	1.1	3			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.27	µg/L	EPA 525.2	1.1	3			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.9	µg/L	EPA 625	2.3	5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	100	%	EPA 625	-88	-88	44	130	
2019/20-PRE	Lab	method blank	9/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	0.6	µg/L	EPA 525.2	0.6	0.6			
2019/20-PRE	Lab	LCS	9/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.43	µg/L	EPA 525.2	1.1	3			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Butyl benzyl phthalate	n/a	=	24.5	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Butyl benzyl phthalate	n/a	=	98	%	EPA 625	-88	-88	56	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Butyl benzyl phthalate	n/a	=	24.9	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Butyl benzyl phthalate	n/a	=	100	%	EPA 625	-88	-88	56	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Butyl benzyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Butyl benzyl phthalate	n/a	=	23.1	µg/L	EPA 625	0.18	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Butyl benzyl phthalate	n/a	=	93	%	EPA 625	-88	-88	56	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Chrysene	n/a	=	24.2	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Chrysene	n/a	=	97	%	EPA 625	-88	-88	54	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Chrysene	n/a	=	24.3	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Chrysene	n/a	=	97	%	EPA 625	-88	-88	54	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Chrysene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Chrysene	n/a	=	22.6	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Chrysene	n/a	=	90	%	EPA 625	-88	-88	61	160	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Dibenz(a,h)anthracene	n/a	=	28.3	µg/L	EPA 625	0.08	2			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Dibenz(a,h)anthracene	n/a	=	113	%	EPA 625	-88	-88	33	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Dibenz(a,h)anthracene	n/a	=	28.5	µg/L	EPA 625	0.08	2			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Dibenz(a,h)anthracene	n/a	=	114	%	EPA 625	-88	-88	33	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Dibenz(a,h)anthracene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Dibenz(a,h)anthracene	n/a	=	26.3	µg/L	EPA 625	0.08	2			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Dibenz(a,h)anthracene	n/a	=	105	%	EPA 625	-88	-88	29	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Diethyl phthalate	n/a	=	19.8	µg/L	EPA 625	0.15	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Diethyl phthalate	n/a	=	79	%	EPA 625	-88	-88	57	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Diethyl phthalate	n/a	=	19.3	µg/L	EPA 625	0.15	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Diethyl phthalate	n/a	=	77	%	EPA 625	-88	-88	57	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Diethyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Diethyl phthalate	n/a	=	19	µg/L	EPA 625	0.15	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Diethyl phthalate	n/a	=	76	%	EPA 625	-88	-88	58	112	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Dimethyl phthalate	n/a	=	19.9	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Dimethyl phthalate	n/a	=	80	%	EPA 625	-88	-88	52	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Dimethyl phthalate	n/a	=	19.3	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Dimethyl phthalate	n/a	=	77	%	EPA 625	-88	-88	52	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Dimethyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Dimethyl phthalate	n/a	=	19.2	µg/L	EPA 625	0.18	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Dimethyl phthalate	n/a	=	77	%	EPA 625	-88	-88	50	112	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Di-n-butylphthalate	n/a	=	24.3	µg/L	EPA 625	0.24	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Di-n-butylphthalate	n/a	=	97	%	EPA 625	-88	-88	46	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Di-n-butylphthalate	n/a	=	24	µg/L	EPA 625	0.24	1			



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Di-n-butylphthalate	n/a	=	96	%	EPA 625	-88	-88	46	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Di-n-butylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Di-n-butylphthalate	n/a	=	23.1	µg/L	EPA 625	0.24	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Di-n-butylphthalate	n/a	=	93	%	EPA 625	-88	-88	68	118	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Di-n-butylphthalate	n/a	=	25	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Di-n-octylphthalate	n/a	=	100	%	EPA 625	-88	-88	60	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Di-n-octylphthalate	n/a	=	24.9	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Di-n-octylphthalate	n/a	=	99	%	EPA 625	-88	-88	60	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Di-n-octylphthalate	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Di-n-octylphthalate	n/a	=	23.1	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Di-n-octylphthalate	n/a	=	92	%	EPA 625	-88	-88	41	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Fluoranthene	n/a	=	25.3	µg/L	EPA 625	0.22	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Fluoranthene	n/a	=	101	%	EPA 625	-88	-88	44	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Fluoranthene	n/a	=	25.1	µg/L	EPA 625	0.22	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Fluoranthene	n/a	=	100	%	EPA 625	-88	-88	44	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Fluoranthene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Fluoranthene	n/a	=	24.2	µg/L	EPA 625	0.22	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Fluoranthene	n/a	=	97	%	EPA 625	-88	-88	61	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Fluorene	n/a	=	20.4	µg/L	EPA 625	0.35	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Fluorene	n/a	=	82	%	EPA 625	-88	-88	59	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Fluorene	n/a	=	18.9	µg/L	EPA 625	0.35	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Fluorene	n/a	=	75	%	EPA 625	-88	-88	59	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Fluorene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Fluorene	n/a	=	19.2	µg/L	EPA 625	0.35	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Fluorene	n/a	=	77	%	EPA 625	-88	-88	59	121	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Hexachlorobenzene	n/a	=	19.8	µg/L	EPA 625	0.49	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Hexachlorobenzene	n/a	=	79	%	EPA 625	-88	-88	51	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Hexachlorobenzene	n/a	=	19.5	µg/L	EPA 625	0.49	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Hexachlorobenzene	n/a	=	78	%	EPA 625	-88	-88	51	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Hexachlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Hexachlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.49	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Hexachlorobenzene	n/a	=	73	%	EPA 625	-88	-88	55	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Hexachlorobutadiene	n/a	=	20.9	µg/L	EPA 625	0.47	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Hexachlorobutadiene	n/a	=	84	%	EPA 625	-88	-88	42	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Hexachlorobutadiene	n/a	=	19.3	µg/L	EPA 625	0.47	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Hexachlorobutadiene	n/a	=	77	%	EPA 625	-88	-88	42	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Hexachlorobutadiene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Hexachlorobutadiene	n/a	=	20.8	µg/L	EPA 625	0.47	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Hexachlorobutadiene	n/a	=	83	%	EPA 625	-88	-88	41	116	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Hexachlorocyclopentadiene	n/a	=	9.83	µg/L	EPA 625	1.5	5			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Hexachlorocyclopentadiene	n/a	=	39	%	EPA 625	-88	-88	15	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Hexachlorocyclopentadiene	n/a	=	8.39	µg/L	EPA 625	1.5	5			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Hexachlorocyclopentadiene	n/a	=	34	%	EPA 625	-88	-88	15	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Hexachlorocyclopentadiene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Hexachlorocyclopentadiene	n/a	=	9.1	µg/L	EPA 625	1.5	5			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Hexachlorocyclopentadiene	n/a	=	36	%	EPA 625	-88	-88	9	120	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Hexachloroethane	n/a	=	17.3	µg/L	EPA 625	0.52	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Hexachloroethane	n/a	=	69	%	EPA 625	-88	-88	45	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Hexachloroethane	n/a	=	16.5	µg/L	EPA 625	0.52	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Hexachloroethane	n/a	=	66	%	EPA 625	-88	-88	45	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Hexachloroethane	n/a	=	5	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Hexachloroethane	n/a	=	16.9	µg/L	EPA 625	0.52	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Hexachloroethane	n/a	=	68	%	EPA 625	-88	-88	42	113	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	25.5	µg/L	EPA 625	0.12	2			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	102	%	EPA 625	-88	-88	37	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	25.7	µg/L	EPA 625	0.12	2			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	103	%	EPA 625	-88	-88	37	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	23.4	µg/L	EPA 625	0.12	2			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	93	%	EPA 625	-88	-88	42	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Isophorone	n/a	=	18.6	µg/L	EPA 625	0.21	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Isophorone	n/a	=	75	%	EPA 625	-88	-88	21	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Isophorone	n/a	=	17.5	µg/L	EPA 625	0.21	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Isophorone	n/a	=	70	%	EPA 625	-88	-88	21	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Isophorone	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Isophorone	n/a	=	18	µg/L	EPA 625	0.21	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Isophorone	n/a	=	72	%	EPA 625	-88	-88	36	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Naphthalene	n/a	=	18.8	µg/L	EPA 625	0.49	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Naphthalene	n/a	=	75	%	EPA 625	-88	-88	39	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Naphthalene	n/a	=	17.7	µg/L	EPA 625	0.49	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Naphthalene	n/a	=	71	%	EPA 625	-88	-88	39	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Naphthalene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Naphthalene	n/a	=	18.2	µg/L	EPA 625	0.49	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Naphthalene	n/a	=	73	%	EPA 625	-88	-88	41	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Nitrobenzene	n/a	=	17.5	µg/L	EPA 625	0.36	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Nitrobenzene	n/a	=	70	%	EPA 625	-88	-88	41	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Nitrobenzene	n/a	=	16.8	µg/L	EPA 625	0.36	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Nitrobenzene	n/a	=	67	%	EPA 625	-88	-88	41	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Nitrobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Nitrobenzene	n/a	=	17	µg/L	EPA 625	0.36	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Nitrobenzene	n/a	=	68	%	EPA 625	-88	-88	44	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2019/20-PRE	Carboy Blank	srgt matrix spike	8/30/2019	Organic	Nitrobenzene-d5	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	8/30/2019	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	45	120	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	8/30/2019	Organic	Nitrobenzene-d5	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	8/30/2019	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	45	120	
2019/20-PRE	Carboy Blank	srgt equip blank	8/31/2019	Organic	Nitrobenzene-d5	n/a	=	11.3	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt equip blank, rec	8/31/2019	Organic	Nitrobenzene-d5	n/a	=	45	%	EPA 625	-88	-88	45	120	
2019/20-PRE	Lab	srgt method blank	8/30/2019	Organic	Nitrobenzene-d5	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt method blank, rec	8/30/2019	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	45	120	
2019/20-PRE	Lab	srgt LCS	8/30/2019	Organic	Nitrobenzene-d5	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	8/30/2019	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	45	120	
2019/20-PRE	Tubing Blank	srgt equip blank	8/31/2019	Organic	Nitrobenzene-d5	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	8/31/2019	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 625	-88	-88	45	120	
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	N-Nitrosodimethylamine	n/a	=	13.3	µg/L	EPA 625	0.14	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	N-Nitrosodimethylamine	n/a	=	53	%	EPA 625	-88	-88	17	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	N-Nitrosodimethylamine	n/a	=	11.4	µg/L	EPA 625	0.14	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	N-Nitrosodimethylamine	n/a	=	46	%	EPA 625	-88	-88	17	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	N-Nitrosodimethylamine	n/a	=	15	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	N-Nitrosodimethylamine	n/a	=	13	µg/L	EPA 625	0.14	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	N-Nitrosodimethylamine	n/a	=	52	%	EPA 625	-88	-88	27	78	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	18.9	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	76	%	EPA 625	-88	-88	49	120	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	17.7	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	71	%	EPA 625	-88	-88	49	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	7	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	18.3	µg/L	EPA 625	0.26	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	N-Nitrosodi-N-propylamine	n/a	=	73	%	EPA 625	-88	-88	37	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	N-Nitrosodiphenylamine	n/a	=	16.7	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	N-Nitrosodiphenylamine	n/a	=	67	%	EPA 625	-88	-88	49	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	N-Nitrosodiphenylamine	n/a	=	16.1	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	N-Nitrosodiphenylamine	n/a	=	64	%	EPA 625	-88	-88	49	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	N-Nitrosodiphenylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	N-Nitrosodiphenylamine	n/a	=	15.6	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	N-Nitrosodiphenylamine	n/a	=	62	%	EPA 625	-88	-88	48	120	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	srgt matrix spike	9/9/2019	Organic	Perylene-d12	n/a	=	4.55	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	9/9/2019	Organic	Perylene-d12	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	9/9/2019	Organic	Perylene-d12	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	9/9/2019	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	srgt equip blank	9/10/2019	Organic	Perylene-d12	n/a	=	4.22	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt equip blank, rec	9/10/2019	Organic	Perylene-d12	n/a	=	84	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Lab	srgt method blank	9/9/2019	Organic	Perylene-d12	n/a	=	3.42	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Lab	srgt method blank, rec	9/9/2019	Organic	Perylene-d12	n/a	=	68	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Lab	srgt LCS	9/9/2019	Organic	Perylene-d12	n/a	=	4.51	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	9/9/2019	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Tubing Blank	srgt equip blank	9/10/2019	Organic	Perylene-d12	n/a	=	4.1	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	9/10/2019	Organic	Perylene-d12	n/a	=	82	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Phenanthrene	n/a	=	22.1	µg/L	EPA 625	0.32	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Phenanthrene	n/a	=	88	%	EPA 625	-88	-88	54	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Phenanthrene	n/a	=	21.7	µg/L	EPA 625	0.32	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Phenanthrene	n/a	=	87	%	EPA 625	-88	-88	54	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Phenanthrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Phenanthrene	n/a	=	21.3	µg/L	EPA 625	0.32	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Phenanthrene	n/a	=	85	%	EPA 625	-88	-88	54	120	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Phenol	n/a	=	7.68	µg/L	EPA 625	0.16	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	120	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Phenol	n/a	=	6.82	µg/L	EPA 625	0.16	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Phenol	n/a	=	27	%	EPA 625	-88	-88	5	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Phenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Phenol	n/a	=	7.37	µg/L	EPA 625	0.16	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	17	100	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2019/20-PRE	Carboy Blank	srgt matrix spike	8/30/2019	Organic	Phenol-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	8/30/2019	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	15	100	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	8/30/2019	Organic	Phenol-d5	n/a	=	13.5	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	8/30/2019	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	15	100	
2019/20-PRE	Carboy Blank	srgt equip blank	8/31/2019	Organic	Phenol-d5	n/a	=	9.35	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt equip blank, rec	8/31/2019	Organic	Phenol-d5	n/a	=	19	%	EPA 625	-88	-88	15	100	
2019/20-PRE	Lab	srgt method blank	8/30/2019	Organic	Phenol-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt method blank, rec	8/30/2019	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	15	100	
2019/20-PRE	Lab	srgt LCS	8/30/2019	Organic	Phenol-d5	n/a	=	15.1	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	8/30/2019	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	15	100	
2019/20-PRE	Tubing Blank	srgt equip blank	8/31/2019	Organic	Phenol-d5	n/a	=	12.8	µg/L	EPA 625	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	8/31/2019	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	15	100	
2019/20-PRE	Carboy Blank	srgt matrix spike	8/30/2019	Organic	p-Terphenyl-d14	n/a	=	24.7	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	8/30/2019	Organic	p-Terphenyl-d14	n/a	=	99	%	EPA 625	-88	-88	61	130	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	8/30/2019	Organic	p-Terphenyl-d14	n/a	=	24.6	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	8/30/2019	Organic	p-Terphenyl-d14	n/a	=	98	%	EPA 625	-88	-88	61	130	
2019/20-PRE	Carboy Blank	srgt equip blank	8/31/2019	Organic	p-Terphenyl-d14	n/a	=	22.2	µg/L	EPA 625	-88	-88			
2019/20-PRE	Carboy Blank	srgt equip blank, rec	8/31/2019	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	61	130	
2019/20-PRE	Lab	srgt method blank	8/30/2019	Organic	p-Terphenyl-d14	n/a	=	24	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt method blank, rec	8/30/2019	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 625	-88	-88	61	130	
2019/20-PRE	Lab	srgt LCS	8/30/2019	Organic	p-Terphenyl-d14	n/a	=	23.9	µg/L	EPA 625	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	8/30/2019	Organic	p-Terphenyl-d14	n/a	=	95	%	EPA 625	-88	-88	61	130	
2019/20-PRE	Tubing Blank	srgt equip blank	8/31/2019	Organic	p-Terphenyl-d14	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	8/31/2019	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625	-88	-88	61	130	
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Organic	Pyrene	n/a	=	23.6	µg/L	EPA 625	0.25	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Organic	Pyrene	n/a	=	95	%	EPA 625	-88	-88	54	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Organic	Pyrene	n/a	=	23.6	µg/L	EPA 625	0.25	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Organic	Pyrene	n/a	=	94	%	EPA 625	-88	-88	54	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Organic	Pyrene	n/a	=	0.09	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Lab	method blank	8/30/2019	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Lab	LCS	8/30/2019	Organic	Pyrene	n/a	=	22.5	µg/L	EPA 625	0.25	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Organic	Pyrene	n/a	=	90	%	EPA 625	-88	-88	55	115	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2019/20-PRE	Carboy Blank	srgt matrix spike	9/9/2019	Organic	Triphenylphosphate	n/a	=	5.07	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike, rec	9/9/2019	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	srgt matrix spike dup	9/9/2019	Organic	Triphenylphosphate	n/a	=	5.21	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt matrix spike dup, rec	9/9/2019	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	srgt equip blank	9/10/2019	Organic	Triphenylphosphate	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Carboy Blank	srgt equip blank, rec	9/10/2019	Organic	Triphenylphosphate	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Lab	srgt method blank	9/9/2019	Organic	Triphenylphosphate	n/a	=	2.2	µg/L	EPA 525.2	-88	-88			GN
2019/20-PRE	Lab	srgt method blank, rec	9/9/2019	Organic	Triphenylphosphate	n/a	=	44	%	EPA 525.2	-88	-88	70	130	GN
2019/20-PRE	Lab	srgt LCS	9/9/2019	Organic	Triphenylphosphate	n/a	=	4.78	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Lab	srgt LCS, rec	9/9/2019	Organic	Triphenylphosphate	n/a	=	96	%	EPA 525.2	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Tubing Blank	srgt equip blank	9/10/2019	Organic	Triphenylphosphate	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			
2019/20-PRE	Tubing Blank	srgt equip blank, rec	9/10/2019	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Alachlor	n/a	=	5.65	µg/L	EPA 525.2	0.022	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Alachlor	n/a	=	113	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Alachlor	n/a	=	5.82	µg/L	EPA 525.2	0.022	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Alachlor	n/a	=	116	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Alachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Alachlor	n/a	=	5.41	µg/L	EPA 525.2	0.022	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Alachlor	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Atrazine	n/a	=	5.47	µg/L	EPA 525.2	0.034	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Atrazine	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Atrazine	n/a	=	5.52	µg/L	EPA 525.2	0.034	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Atrazine	n/a	=	110	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Atrazine	n/a	=	0.9	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Atrazine	n/a	=	5.17	µg/L	EPA 525.2	0.034	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Atrazine	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Bromacil	n/a	=	4.45	µg/L	EPA 525.2	0.038	0.5			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Bromacil	n/a	=	89	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Bromacil	n/a	=	4.88	µg/L	EPA 525.2	0.038	0.5			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Bromacil	n/a	=	98	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Bromacil	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Bromacil	n/a	=	4.06	µg/L	EPA 525.2	0.038	0.5			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Bromacil	n/a	=	81	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Butachlor	n/a	=	5.98	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Butachlor	n/a	=	120	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Butachlor	n/a	=	5.86	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Butachlor	n/a	=	117	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Butachlor	n/a	=	5.36	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Butachlor	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Captan	n/a	=	6.11	µg/L	EPA 525.2	0.86	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Captan	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Captan	n/a	=	6.49	µg/L	EPA 525.2	0.86	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Captan	n/a	=	130	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Captan	n/a	=	6	%	EPA 525.2	-88	-88	0	30	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Captan	n/a	=	5.53	µg/L	EPA 525.2	0.86	1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Captan	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Chloroprotham	n/a	=	5.59	µg/L	EPA 525.2	0.01	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Chloroprotham	n/a	=	112	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Chloroprotham	n/a	=	5.69	µg/L	EPA 525.2	0.01	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Chloroprotham	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Chloroprotham	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Chloroprotham	n/a	=	4.82	µg/L	EPA 525.2	0.01	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Chloroprotham	n/a	=	96	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Cyanazine	n/a	=	5.29	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Cyanazine	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Cyanazine	n/a	=	5.54	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Cyanazine	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Cyanazine	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Cyanazine	n/a	=	5.13	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Cyanazine	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Diazinon	n/a	=	4.51	µg/L	EPA 525.2	0.096	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Diazinon	n/a	=	4.57	µg/L	EPA 525.2	0.096	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Diazinon	n/a	=	91	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Diazinon	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Diazinon	n/a	=	3.93	µg/L	EPA 525.2	0.096	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Diazinon	n/a	=	79	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Dimethoate	n/a	=	4.97	µg/L	EPA 525.2	0.024	0.2			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Dimethoate	n/a	=	99	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Dimethoate	n/a	=	5.33	µg/L	EPA 525.2	0.024	0.2			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Dimethoate	n/a	=	107	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Dimethoate	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Dimethoate	n/a	=	4.23	µg/L	EPA 525.2	0.024	0.2			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Dimethoate	n/a	=	85	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Diphenamid	n/a	=	5.27	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Diphenamid	n/a	=	105	%	EPA 525.2	-88	-88	70	130	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Diphenamid	n/a	=	5.39	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Diphenamid	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Diphenamid	n/a	=	5.15	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Diphenamid	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Disulfoton	n/a	=	3.58	µg/L	EPA 525.2	0.031	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Disulfoton	n/a	=	72	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Disulfoton	n/a	=	3.88	µg/L	EPA 525.2	0.031	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Disulfoton	n/a	=	78	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Disulfoton	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Disulfoton	n/a	=	3.65	µg/L	EPA 525.2	0.031	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Disulfoton	n/a	=	73	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	EPTC	n/a	=	5.06	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	EPTC	n/a	=	101	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	EPTC	n/a	=	5.24	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	EPTC	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	EPTC	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	EPTC	n/a	=	5.02	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	EPTC	n/a	=	100	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Metolachlor	n/a	=	6.03	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Metolachlor	n/a	=	121	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Metolachlor	n/a	=	6.2	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Metolachlor	n/a	=	124	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Metolachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Metolachlor	n/a	=	5.68	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Metolachlor	n/a	=	114	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Metribuzin	n/a	=	5.13	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Metribuzin	n/a	=	103	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Metribuzin	n/a	=	5.4	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Metribuzin	n/a	=	108	%	EPA 525.2	-88	-88	50	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Metribuzin	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Metribuzin	n/a	=	4.8	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Metribuzin	n/a	=	96	%	EPA 525.2	-88	-88	50	120	



Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Molinate	n/a	=	5.45	µg/L	EPA 525.2	0.039	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Molinate	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Molinate	n/a	=	5.57	µg/L	EPA 525.2	0.039	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Molinate	n/a	=	111	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Molinate	n/a	=	5.34	µg/L	EPA 525.2	0.039	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Molinate	n/a	=	107	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2019/20-PRE	Carboy Blank	matrix spike	8/30/2019	Pesticide	Pentachlorophenol	n/a	=	21.5	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike, rec	8/30/2019	Pesticide	Pentachlorophenol	n/a	=	86	%	EPA 625	-88	-88	18	130	
2019/20-PRE	Carboy Blank	matrix spike dup	8/30/2019	Pesticide	Pentachlorophenol	n/a	=	20.7	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	8/30/2019	Pesticide	Pentachlorophenol	n/a	=	83	%	EPA 625	-88	-88	18	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	8/30/2019	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	8/31/2019	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	method blank	8/30/2019	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS	8/30/2019	Pesticide	Pentachlorophenol	n/a	=	19.1	µg/L	EPA 625	0.19	1			
2019/20-PRE	Lab	LCS, rec	8/30/2019	Pesticide	Pentachlorophenol	n/a	=	76	%	EPA 625	-88	-88	43	130	
2019/20-PRE	Tubing Blank	equip blank	8/31/2019	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Prometon	n/a	=	1.48	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Prometon	n/a	=	30	%	EPA 525.2	-88	-88	15	120	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Prometon	n/a	=	1.41	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Prometon	n/a	=	28	%	EPA 525.2	-88	-88	15	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Prometon	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Prometon	n/a	=	0.829	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Prometon	n/a	=	17	%	EPA 525.2	-88	-88	15	120	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Prometryn	n/a	=	3.86	µg/L	EPA 525.2	0.036	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Prometryn	n/a	=	77	%	EPA 525.2	-88	-88	30	120	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Prometryn	n/a	=	3.98	µg/L	EPA 525.2	0.036	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Prometryn	n/a	=	80	%	EPA 525.2	-88	-88	30	120	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Prometryn	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Prometryn	n/a	=	3.91	µg/L	EPA 525.2	0.036	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Prometryn	n/a	=	78	%	EPA 525.2	-88	-88	30	120	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Simazine	n/a	=	4.94	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Simazine	n/a	=	99	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Simazine	n/a	=	5.08	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Simazine	n/a	=	102	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Simazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Simazine	n/a	=	4.68	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Simazine	n/a	=	94	%	EPA 525.2	-88	-88	60	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Terbacil	n/a	=	5.72	µg/L	EPA 525.2	0.55	2			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Terbacil	n/a	=	114	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Terbacil	n/a	=	6.08	µg/L	EPA 525.2	0.55	2			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Terbacil	n/a	=	122	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Terbacil	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Terbacil	n/a	=	5.14	µg/L	EPA 525.2	0.55	2			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Terbacil	n/a	=	103	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Thiobencarb	n/a	=	5.41	µg/L	EPA 525.2	0.025	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Thiobencarb	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Thiobencarb	n/a	=	5.46	µg/L	EPA 525.2	0.025	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Thiobencarb	n/a	=	109	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Thiobencarb	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Thiobencarb	n/a	=	5.31	µg/L	EPA 525.2	0.025	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Thiobencarb	n/a	=	106	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2019/20-PRE	Carboy Blank	matrix spike	9/9/2019	Pesticide	Trithion	n/a	=	5.25	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Carboy Blank	matrix spike, rec	9/9/2019	Pesticide	Trithion	n/a	=	105	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike dup	9/9/2019	Pesticide	Trithion	n/a	=	5.38	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Carboy Blank	matrix spike dup, rec	9/9/2019	Pesticide	Trithion	n/a	=	108	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Carboy Blank	matrix spike, RPD	9/9/2019	Pesticide	Trithion	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2019/20-PRE	Carboy Blank	equip blank	9/10/2019	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Lab	method blank	9/9/2019	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Lab	LCS	9/9/2019	Pesticide	Trithion	n/a	=	4.93	µg/L	EPA 525.2	0.012	0.1			
2019/20-PRE	Lab	LCS, rec	9/9/2019	Pesticide	Trithion	n/a	=	99	%	EPA 525.2	-88	-88	70	130	
2019/20-PRE	Tubing Blank	equip blank	9/10/2019	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2020-DRY	Lab	method blank	8/11/2020	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2020-DRY	Lab	method blank	8/12/2020	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2020-DRY	Lab	method blank	8/19/2020	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2020-DRY	Lab	method blank	8/11/2020	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2020-DRY	Lab	method blank	8/12/2020	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2020-DRY	Lab	method blank	8/19/2020	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2020-DRY	DRY-SPA4	matrix spike	8/26/2020	Cation	Calcium	Total	=	206	mg/L	EPA 200.7	0.016	0.1			
2020-DRY	DRY-SPA4	matrix spike, rec	8/26/2020	Cation	Calcium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2020-DRY	DRY-SPA4	matrix spike dup	8/26/2020	Cation	Calcium	Total	=	208	mg/L	EPA 200.7	0.016	0.1			
2020-DRY	DRY-SPA4	matrix spike dup, rec	8/26/2020	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2020-DRY	DRY-SPA4	matrix spike, RPD	8/26/2020	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2020-DRY	Lab	method blank	8/20/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2020-DRY	Lab	LCS	8/20/2020	Cation	Calcium	Total	=	48.8	mg/L	EPA 200.7	0.016	0.1			

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2020-DRY	Lab	LCS, rec	8/20/2020	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2020-DRY	Lab	method blank	8/26/2020	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2020-DRY	Lab	LCS	8/26/2020	Cation	Calcium	Total	=	49.8	mg/L	EPA 200.7	0.016	0.1			
2020-DRY	Lab	LCS, rec	8/26/2020	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2020-DRY	MO-CAM	matrix spike	8/20/2020	Cation	Calcium	Total	=	130	mg/L	EPA 200.7	0.016	0.1			
2020-DRY	MO-CAM	matrix spike, rec	8/20/2020	Cation	Calcium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike dup	8/20/2020	Cation	Calcium	Total	=	131	mg/L	EPA 200.7	0.016	0.1			
2020-DRY	MO-CAM	matrix spike dup, rec	8/20/2020	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike, RPD	8/20/2020	Cation	Calcium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2020-DRY	DRY-SPA4	matrix spike	8/26/2020	Cation	Magnesium	Total	=	101	mg/L	EPA 200.7	0.012	0.1			
2020-DRY	DRY-SPA4	matrix spike, rec	8/26/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2020-DRY	DRY-SPA4	matrix spike dup	8/26/2020	Cation	Magnesium	Total	=	102	mg/L	EPA 200.7	0.012	0.1			
2020-DRY	DRY-SPA4	matrix spike dup, rec	8/26/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2020-DRY	DRY-SPA4	matrix spike, RPD	8/26/2020	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2020-DRY	Lab	method blank	8/20/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2020-DRY	Lab	LCS	8/20/2020	Cation	Magnesium	Total	=	49.2	mg/L	EPA 200.7	0.012	0.1			
2020-DRY	Lab	LCS, rec	8/20/2020	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2020-DRY	Lab	method blank	8/26/2020	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2020-DRY	Lab	LCS	8/26/2020	Cation	Magnesium	Total	=	49.9	mg/L	EPA 200.7	0.012	0.1			
2020-DRY	Lab	LCS, rec	8/26/2020	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2020-DRY	MO-CAM	matrix spike	8/20/2020	Cation	Magnesium	Total	=	76.6	mg/L	EPA 200.7	0.012	0.1			
2020-DRY	MO-CAM	matrix spike, rec	8/20/2020	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike dup	8/20/2020	Cation	Magnesium	Total	=	77.4	mg/L	EPA 200.7	0.012	0.1			
2020-DRY	MO-CAM	matrix spike dup, rec	8/20/2020	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike, RPD	8/20/2020	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2020-DRY	000NONPJ	matrix spike	8/24/2020	Conventional	Total Organic Carbon	n/a	=	5.62	mg/L	SM 5310 B	0.096	0.3			
2020-DRY	000NONPJ	matrix spike dup	8/24/2020	Conventional	Total Organic Carbon	n/a	=	5.58	mg/L	SM 5310 B	0.096	0.3			
2020-DRY	000NONPJ	matrix spike dup, rec	8/24/2020	Conventional	Total Organic Carbon	n/a	=	103	%	SM 5310 B	-88	-88	76	115	
2020-DRY	000NONPJ	matrix spike, rec	8/24/2020	Conventional	Total Organic Carbon	n/a	=	104	%	SM 5310 B	-88	-88	76	115	
2020-DRY	000NONPJ	matrix spike, RPD	8/24/2020	Conventional	Total Organic Carbon	n/a	=	0.8	%	SM 5310 B	-88	-88	0	20	
2020-DRY	DRY-SPA4	matrix spike	8/26/2020	Conventional	Total Organic Carbon	n/a	=	9.31	mg/L	SM 5310 B	0.096	0.3			
2020-DRY	DRY-SPA4	matrix spike dup	8/26/2020	Conventional	Total Organic Carbon	n/a	=	9.18	mg/L	SM 5310 B	0.096	0.3			
2020-DRY	DRY-SPA4	matrix spike dup, rec	8/26/2020	Conventional	Total Organic Carbon	n/a	=	106	%	SM 5310 B	-88	-88	76	115	
2020-DRY	DRY-SPA4	matrix spike, rec	8/26/2020	Conventional	Total Organic Carbon	n/a	=	109	%	SM 5310 B	-88	-88	76	115	
2020-DRY	DRY-SPA4	matrix spike, RPD	8/26/2020	Conventional	Total Organic Carbon	n/a	=	1	%	SM 5310 B	-88	-88	0	20	
2020-DRY	Lab	LCS	8/24/2020	Conventional	Total Organic Carbon	n/a	=	1.08	mg/L	SM 5310 B	0.096	0.3			
2020-DRY	Lab	LCS, rec	8/24/2020	Conventional	Total Organic Carbon	n/a	=	108	%	SM 5310 B	-88	-88	85	115	
2020-DRY	Lab	method blank	8/24/2020	Conventional	Total Organic Carbon	n/a	<	0.096	mg/L	SM 5310 B	0.096	0.3			
2020-DRY	Lab	LCS	8/26/2020	Conventional	Total Organic Carbon	n/a	=	1.07	mg/L	SM 5310 B	0.096	0.3			
2020-DRY	Lab	LCS, rec	8/26/2020	Conventional	Total Organic Carbon	n/a	=	107	%	SM 5310 B	-88	-88	85	115	
2020-DRY	Lab	method blank	8/26/2020	Conventional	Total Organic Carbon	n/a	<	0.096	mg/L	SM 5310 B	0.096	0.3			
2020-DRY	Lab	method blank	8/20/2020	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2020-DRY	Lab	LCS	8/20/2020	Metal	Copper	Dissolved	=	50.4	µg/L	EPA 200.8	0.13	0.5			
2020-DRY	Lab	LCS, rec	8/20/2020	Metal	Copper	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2020-DRY	Lab	method blank	8/31/2020	Metal	Copper	Dissolved	DNQ	0.146	µg/L	EPA 200.8	0.13	0.5			IP
2020-DRY	Lab	LCS	8/31/2020	Metal	Copper	Dissolved	=	52.2	µg/L	EPA 200.8	0.13	0.5			
2020-DRY	Lab	LCS, rec	8/31/2020	Metal	Copper	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	

Appendix F  
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2020-DRY	MO-CAM	matrix spike	8/20/2020	Metal	Copper	Dissolved	=	50.3	µg/L	EPA 200.8	0.13	0.5			
2020-DRY	MO-CAM	matrix spike, rec	8/20/2020	Metal	Copper	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike dup	8/20/2020	Metal	Copper	Dissolved	=	51	µg/L	EPA 200.8	0.13	0.5			
2020-DRY	MO-CAM	matrix spike dup, rec	8/20/2020	Metal	Copper	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike, RPD	8/20/2020	Metal	Copper	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2020-DRY	000NONPJ	matrix spike	8/28/2020	Metal	Lead	Dissolved	=	48.7	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	000NONPJ	matrix spike, rec	8/28/2020	Metal	Lead	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2020-DRY	000NONPJ	matrix spike dup	8/28/2020	Metal	Lead	Dissolved	=	49.1	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	000NONPJ	matrix spike dup, rec	8/28/2020	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2020-DRY	000NONPJ	matrix spike, RPD	8/28/2020	Metal	Lead	Dissolved	=	0.9	%	EPA 200.8	-88	-88	0	30	
2020-DRY	Lab	method blank	8/20/2020	Metal	Lead	Dissolved	=	0.473	µg/L	EPA 200.8	0.031	0.2			IP
2020-DRY	Lab	LCS	8/20/2020	Metal	Lead	Dissolved	=	50.7	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	Lab	LCS, rec	8/20/2020	Metal	Lead	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2020-DRY	Lab	method blank	8/28/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	Lab	LCS	8/28/2020	Metal	Lead	Dissolved	=	50.1	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	Lab	LCS, rec	8/28/2020	Metal	Lead	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2020-DRY	Lab	method blank	8/31/2020	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	Lab	LCS	8/31/2020	Metal	Lead	Dissolved	=	50.1	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	Lab	LCS, rec	8/31/2020	Metal	Lead	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2020-DRY	MO-CAM	matrix spike	8/20/2020	Metal	Lead	Dissolved	=	53.1	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	MO-CAM	matrix spike, rec	8/20/2020	Metal	Lead	Dissolved	=	106	%	EPA 200.8	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike dup	8/20/2020	Metal	Lead	Dissolved	=	53.1	µg/L	EPA 200.8	0.031	0.2			
2020-DRY	MO-CAM	matrix spike dup, rec	8/20/2020	Metal	Lead	Dissolved	=	106	%	EPA 200.8	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike, RPD	8/20/2020	Metal	Lead	Dissolved	=	0.002	%	EPA 200.8	-88	-88	0	30	
2020-DRY	Lab	method blank	8/20/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2020-DRY	Lab	LCS	8/20/2020	Metal	Zinc	Dissolved	=	49.4	µg/L	EPA 200.8	0.94	5			
2020-DRY	Lab	LCS, rec	8/20/2020	Metal	Zinc	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2020-DRY	Lab	method blank	8/31/2020	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2020-DRY	Lab	LCS	8/31/2020	Metal	Zinc	Dissolved	=	50.3	µg/L	EPA 200.8	0.94	5			
2020-DRY	Lab	LCS, rec	8/31/2020	Metal	Zinc	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2020-DRY	MO-CAM	matrix spike	8/20/2020	Metal	Zinc	Dissolved	=	48.2	µg/L	EPA 200.8	0.94	5			
2020-DRY	MO-CAM	matrix spike, rec	8/20/2020	Metal	Zinc	Dissolved	=	92	%	EPA 200.8	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike dup	8/20/2020	Metal	Zinc	Dissolved	=	48.9	µg/L	EPA 200.8	0.94	5			
2020-DRY	MO-CAM	matrix spike dup, rec	8/20/2020	Metal	Zinc	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2020-DRY	MO-CAM	matrix spike, RPD	8/20/2020	Metal	Zinc	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	

## **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-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/11/2020 8:30:00 AM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/11/2020 8:30:00 AM	Total Coliform	n/a	=	8600	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/20/2020 5:23:00 PM	Calcium	Total	=	286	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/20/2020 5:23:00 PM	Magnesium	Total	=	168	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	Conductivity	n/a	=	7470	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	Discharge	n/a	<	0.1	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	DO	n/a	=	2.25	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	DO	n/a	=	27.4	%	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/20/2020 5:23:00 PM	Hardness as CaCO3	Total	=	1410	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	pH	n/a	=	7.4	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	Salinity	n/a	=	4100	mg/L	Field Meter	-88	100	Field Crew	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	Specific Conductance	n/a	=	7540	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	Temperature	n/a	=	24.7	°C	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	6.4	mg/L	SM 5310 B	0.096	0.3	WKL	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/10/2020 2:10:00 PM	Turbidity	n/a	=	27.5	NTU	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/20/2020 4:49:00 PM	Copper	Dissolved	DNQ	0.35	µg/L	EPA 200.8	0.26	1	WKL	
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/20/2020 4:49:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.062	0.4	WKL	UL-MB
DRY-HUE3	2020-DRY	Dry	8/10/2020 2:10:00 PM	8/20/2020 4:49:00 PM	Zinc	Dissolved	<	1.9	µg/L	EPA 200.8	1.9	10	WKL	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/12/2020 7:00:00 AM	E. Coli	n/a	=	1374	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/12/2020 7:00:00 AM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/20/2020 5:14:00 PM	Calcium	Total	=	34.4	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/20/2020 5:14:00 PM	Magnesium	Total	=	14.1	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	Conductivity	n/a	=	427.2	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	Discharge	n/a	<	0.1	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	DO	n/a	=	10.15	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	DO	n/a	=	107.8	%	Field Meter	-88	0.1	Field Crew	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/20/2020 5:14:00 PM	Hardness as CaCO3	Total	=	144	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	pH	n/a	=	8.9	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	Specific Conductance	n/a	=	487.8	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	Temperature	n/a	=	18.8	°C	Field Meter	-88	0.1	Field Crew	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	7.1	mg/L	SM 5310 B	0.096	0.3	WKL	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/11/2020 8:45:00 AM	Turbidity	n/a	=	2.12	NTU	Field Meter	-88	0.01	Field Crew	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/20/2020 4:14:00 PM	Copper	Dissolved	=	4.7	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/28/2020 3:21:00 PM	Lead	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-MPK2	2020-DRY	Dry	8/11/2020 8:45:00 AM	8/20/2020 4:14:00 PM	Zinc	Dissolved	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/11/2020 8:30:00 AM	E. Coli	n/a	=	404	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/11/2020 8:30:00 AM	Total Coliform	n/a	=	3076	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/20/2020 5:17:00 PM	Calcium	Total	=	156	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/20/2020 5:17:00 PM	Magnesium	Total	=	44.7	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	Conductivity	n/a	=	1244	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	Discharge	n/a	<	0.1	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	DO	n/a	=	7.18	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	DO	n/a	=	78.9	%	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/20/2020 5:17:00 PM	Hardness as CaCO3	Total	=	575	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	pH	n/a	=	7.98	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	Specific Conductance	n/a	=	1387	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-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	Temperature	n/a	=	19.6	°C	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	1.8	mg/L	SM 5310 B	0.096	0.3	WKL	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/10/2020 12:15:00 PM	Turbidity	n/a	=	0.88	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/20/2020 4:17:00 PM	Copper	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/20/2020 4:17:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OJA6	2020-DRY	Dry	8/10/2020 12:15:00 PM	8/20/2020 4:17:00 PM	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/11/2020 8:30:00 AM	E. Coli	n/a	=	2755	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/11/2020 8:30:00 AM	Total Coliform	n/a	=	6370	MPN/100 mL	MMO-MUG	100	100	VCHCA	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/20/2020 5:20:00 PM	Calcium	Total	=	152	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/20/2020 5:20:00 PM	Magnesium	Total	=	51.4	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	Conductivity	n/a	=	1342	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	Discharge	n/a	=	0.25	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	DO	n/a	=	86.8	%	Field Meter	-88	0.1	Field Crew	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	DO	n/a	=	8.07	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/20/2020 5:20:00 PM	Hardness as CaCO3	Total	=	591	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	pH	n/a	=	8.33	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	Specific Conductance	n/a	=	1526	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	Temperature	n/a	=	18.7	°C	Field Meter	-88	0.1	Field Crew	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	6.4	mg/L	SM 5310 B	0.096	0.3	WKL	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/10/2020 9:00:00 AM	Turbidity	n/a	=	1.58	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/20/2020 4:19:00 PM	Copper	Dissolved	=	2.9	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/20/2020 4:19:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OXN2	2020-DRY	Dry	8/10/2020 9:00:00 AM	8/20/2020 4:19:00 PM	Zinc	Dissolved	DNQ	4.8	µg/L	EPA 200.8	0.94	5	WKL	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/19/2020 6:00:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/19/2020 6:00:00 AM	Total Coliform	n/a	=	9804	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/26/2020 9:02:00 PM	Calcium	Total	=	161	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/26/2020 9:02:00 PM	Magnesium	Total	=	52.3	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/18/2020 8:05:00 AM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/26/2020 9:02:00 PM	Hardness as CaCO3	Total	=	617	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/18/2020 8:05:00 AM	pH	n/a	=	8.35	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/18/2020 8:05:00 AM	Temperature	n/a	=	23.5	°C	Field Meter	-88	0.1	Field Crew	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/26/2020 1:19:00 PM	Total Organic Carbon	n/a	=	3.9	mg/L	SM 5310 B	0.096	0.3	WKL	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/18/2020 8:05:00 AM	Turbidity	n/a	=	0.65	NTU	Field Meter	-88	0.01	Field Crew	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/31/2020 1:57:00 PM	Copper	Dissolved	=	3.1	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/31/2020 1:57:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-SPA4	2020-DRY	Dry	8/18/2020 8:05:00 AM	8/31/2020 1:57:00 PM	Zinc	Dissolved	=	6.2	µg/L	EPA 200.8	0.94	5	WKL	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/12/2020 7:00:00 AM	E. Coli	n/a	=	5172	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/12/2020 7:00:00 AM	Total Coliform	n/a	=	579400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/20/2020 5:32:00 PM	Calcium	Total	=	76.2	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/20/2020 5:32:00 PM	Magnesium	Total	=	79.7	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	Conductivity	n/a	=	1212	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	Discharge	n/a	=	0.15	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	DO	n/a	=	132.3	%	Field Meter	-88	0.1	Field Crew	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	DO	n/a	=	13.4	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/20/2020 5:32:00 PM	Hardness as CaCO3	Total	=	518	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	pH	n/a	=	8.57	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	Specific Conductance	n/a	=	1359	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	Temperature	n/a	=	19.3	°C	Field Meter	-88	0.1	Field Crew	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 B	0.096	0.3	WKL	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/11/2020 10:00:00 AM	Turbidity	n/a	=	2.88	NTU	Field Meter	-88	0.01	Field Crew	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/20/2020 4:28:00 PM	Copper	Dissolved	=	5.1	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/20/2020 4:28:00 PM	Lead	Dissolved	DNQ	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
DRY-UNI4	2020-DRY	Dry	8/11/2020 10:00:00 AM	8/20/2020 4:28:00 PM	Zinc	Dissolved	DNQ	4.8	µg/L	EPA 200.8	0.94	5	WKL	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/11/2020 8:30:00 AM	E. Coli	n/a	=	63	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/11/2020 8:30:00 AM	Total Coliform	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/20/2020 5:35:00 PM	Calcium	Total	=	122	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/20/2020 5:35:00 PM	Magnesium	Total	=	31.3	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	Conductivity	n/a	=	937	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	Discharge	n/a	<	0.1	cfs	Field Estimate	-88	-88	Field Crew	EST
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	DO	n/a	=	41.5	%	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	DO	n/a	=	4.57	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/20/2020 5:35:00 PM	Hardness as CaCO3	Total	=	434	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	pH	n/a	=	7.6	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	Specific Conductance	n/a	=	948	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	Temperature	n/a	=	24.2	°C	Field Meter	-88	0.1	Field Crew	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 B	0.096	0.3	WKL	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/10/2020 1:20:00 PM	Turbidity	n/a	=	19.2	NTU	Field Meter	-88	0.01	Field Crew	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/20/2020 4:31:00 PM	Copper	Dissolved	=	0.92	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/20/2020 4:31:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-VEN5	2020-DRY	Dry	8/10/2020 1:20:00 PM	8/20/2020 4:31:00 PM	Zinc	Dissolved	DNQ	1.7	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	261300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	Conductivity	n/a	=	287.8	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	12/3/2019 5:36:00 PM	Cyanide	Total	=	0.0027	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	DO	n/a	=	86.7	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	DO	n/a	=	9.4	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	pH	n/a	=	7.39	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	Specific Conductance	n/a	=	378.7	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	Temperature	n/a	=	11.6	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	12/8/2019 9:40:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	12/13/2019 7:36:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 11:03:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 11:03:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 11:29:00 PM	Chloride	n/a	=	73	mg/L	EPA 300.0	0.17	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 11:29:00 PM	Fluoride	n/a	DNQ	0.18	mg/L	EPA 300.0	0.018	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 9:38:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 11:29:00 PM	Sulfate	Total	=	92	mg/L	EPA 300.0	0.48	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Calcium	Total	=	43.7	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Magnesium	Total	=	25.8	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Potassium	Total	=	14	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Sodium	Total	=	49	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/3/2019 2:56:00 PM	Alkalinity as CaCO3	n/a	=	84	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-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/3/2019 11:15:00 AM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/6/2019 12:59:00 PM	COD	n/a	=	84	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	19	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	9.7	mg/L	SM 5310 B	0.013	0.3	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Hardness as CaCO3	Total	=	216	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	11/28/2019 11:38:00 AM	MBAS	n/a	<	0.017	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 5:44:00 PM	Phenolics	n/a	=	0.012	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 11:59:00 AM	Specific Conductance	n/a	=	600	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	11/28/2019 1:55:00 PM	Total Chlorine Residual	n/a	=	0.14	mg/L	SM 4500-Cl G	0.0076	0.05	WKL	EST-HT
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	390	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 1:18:00 PM	Total Suspended Solids	n/a	=	590	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	11/28/2019 10:57:00 AM	Turbidity	n/a	=	560	NTU	EPA 180.1	0.34	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 11:18:00 PM	Volatile Suspended Solids	n/a	=	73	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/30/2019 11:31:00 PM	Diesel Range Organics	n/a	DNQ	0.44	mg/L	EPA 8015D	0.12	0.5	WKL	UL-MB
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/30/2019 11:31:00 PM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/22/2020 2:27:00 PM	Aluminum	Dissolved	=	20	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/22/2020 4:11:00 PM	Aluminum	Total	=	18000	µg/L	EPA 200.8	13	50	WKL	LB-MSR
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/22/2020 2:27:00 PM	Antimony	Dissolved	DNQ	0.39	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/22/2020 3:04:00 PM	Antimony	Total	=	0.77	µg/L	EPA 200.8	0.045	0.5	WKL	LB-MSR
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Arsenic	Dissolved	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Arsenic	Total	=	8.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Barium	Total	=	210	µg/L	EPA 200.8	0.071	0.5	WKL	LB-MSR
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/22/2020 2:27:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/22/2020 3:04:00 PM	Beryllium	Total	=	0.75	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/22/2020 2:27:00 PM	Cadmium	Dissolved	=	0.18	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/22/2020 3:04:00 PM	Cadmium	Total	=	1.7	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Chromium	Dissolved	=	0.48	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Chromium	Total	=	41	µg/L	EPA 200.8	0.035	0.2	WKL	LB-MSR
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/3/2019 6:00:00 PM	Chromium VI	n/a	=	0.036	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Copper	Dissolved	=	5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Copper	Total	=	46	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Iron	Dissolved	=	37	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Iron	Total	=	24000	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Lead	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Lead	Total	=	22	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/24/2019 11:38:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/24/2019 11:40:00 AM	Mercury	Total	DNQ	36	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Nickel	Dissolved	=	4.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Nickel	Total	=	39	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Selenium	Total	=	0.9	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Silver	Total	DNQ	0.19	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Thallium	Total	=	0.27	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 3:36:00 AM	Zinc	Dissolved	=	7.9	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 4:41:00 AM	Zinc	Total	=	180	µg/L	EPA 200.8	0.94	5	WKL	LB-MSR

Appendix G  
Laboratory 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	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 4:25:00 PM	Ammonia as N	n/a	=	0.28	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	11/27/2019 7:11:00 PM	Nitrate + Nitrite as N	n/a	=	4.7	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	11/27/2019 7:11:00 PM	Nitrate as N	n/a	=	4.6	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Phosphorus as P	Dissolved	=	0.96	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/9/2020 2:00:00 PM	Phosphorus as P	Total	=	3.2	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 5:19:00 PM	TKN	n/a	=	3.5	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 2:50:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	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	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	4,4'-DDE	n/a	DNQ	0.023	µg/L	EPA 608.3	0.012	0.25	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Azinphos methyl	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	Bentazon	n/a	DNQ	0.38	µg/L	EPA 515.4	0.23	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Bolstar	n/a	<	0.092	µg/L	EPA 525.2m	0.092	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Chlorpyrifos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Coumaphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	DCPA (Daacthal)	n/a	=	0.62	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Demeton-O	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Demeton-S	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Diazinon	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Dichlorvos	n/a	DNQ	0.064	µg/L	EPA 525.2m	0.058	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	LB-LCSR
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Disulfoton	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Ethoprop	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Ethyl parathion	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Fensulfothion	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Fenthion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/4/2019 1:31:00 AM	Glyphosate	n/a	=	22	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Malathion	n/a	=	0.66	µg/L	EPA 525.2m	0.15	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Merphos	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Methyl parathion	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Metolachlor	n/a	DNQ	1.1	µg/L	EPA 525.2	0.24	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Mevinphos	n/a	<	0.084	µg/L	EPA 525.2m	0.084	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Naled	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	Pentachlorophenol	n/a	DNQ	0.086	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/9/2019 8:01:00 PM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	1/10/2020 2:04:00 AM	Pentachlorophenol	n/a	DNQ	0.5	µg/L	EPA 8270C	0.15	1	WKL	HB-LCSR
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Phorate	n/a	<	0.06	µg/L	EPA 525.2m	0.06	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 1:56:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Prometryn	n/a	DNQ	1.7	µg/L	EPA 525.2	0.72	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.082	µg/L	EPA 525.2m	0.082	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Tokuthion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/20/2019 9:05:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/5/2019 10:13:00 AM	Trichloronate	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
ME-CC	2019/20-1	Wet	11/27/2019 2:50:00 PM	12/13/2019 10:22:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	1080	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/16/2020 11:25:00 PM	Conductivity	n/a	=	247.8	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/23/2020 3:30:00 PM	Cyanide	Total	DNQ	0.0009	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/16/2020 11:25:00 PM	DO	n/a	=	81.2	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/16/2020 11:25:00 PM	DO	n/a	=	9.16	mg/L	Field Meter	-88	0.3	Field Crew	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/16/2020 11:25:00 PM	pH	n/a	=	8.14	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/16/2020 11:25:00 PM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/16/2020 11:25:00 PM	Specific Conductance	n/a	=	415.2	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/16/2020 11:25:00 PM	Temperature	n/a	=	12.6	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/19/2020 10:41:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/24/2020 2:54:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	F-MSRPD, LB-N
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/17/2020 6:52:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
ME-CC	2019/20-2	Wet	1/16/2020 11:25:00 PM	1/17/2020 6:52:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 2:06:00 PM	Chloride	n/a	=	130	mg/L	EPA 300.0	0.17	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 2:06:00 PM	Fluoride	n/a	=	0.32	mg/L	EPA 300.0	0.018	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/21/2020 8:51:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 2:06:00 PM	Sulfate	Total	=	170	mg/L	EPA 300.0	0.48	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 4:54:00 PM	Calcium	Total	=	55.2	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 4:54:00 PM	Magnesium	Total	=	35.2	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 4:54:00 PM	Potassium	Total	=	9.9	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 4:54:00 PM	Sodium	Total	=	86	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/22/2020 11:20:00 AM	Alkalinity as CaCO3	n/a	=	140	mg/L	SM 2320 B	0.56	2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/22/2020 4:23:00 PM	BOD	n/a	=	8	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/27/2020 5:46:00 PM	COD	n/a	=	27	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	35	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	7.4	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 4:54:00 AM	Hardness as CaCO3	Total	=	283	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/17/2020 7:29:00 PM	MBAS	n/a	DNQ	0.036	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/22/2020 4:51:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/21/2020 11:41:00 AM	Specific Conductance	n/a	=	990	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/17/2020 9:40:00 AM	Total Chlorine Residual	n/a	=	0.26	mg/L	SM 4500-Cl G	0.03	0.2	WKL	EST-HT, EST-LI
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	700	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	8.1	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	770	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/17/2020 6:14:00 PM	Turbidity	n/a	=	280	NTU	EPA 180.1	0.34	2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	84	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 10:24:00 PM	Diesel Range Organics	n/a	DNQ	0.089	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 10:24:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Aluminum	Dissolved	=	8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Aluminum	Total	=	2500	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Antimony	Dissolved	DNQ	0.42	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Antimony	Total	=	0.52	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Arsenic	Dissolved	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Arsenic	Total	=	3.3	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Barium	Total	=	45	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Beryllium	Total	DNQ	0.084	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Cadmium	Dissolved	=	0.25	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Cadmium	Total	=	0.34	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Chromium	Dissolved	=	0.3	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Chromium	Total	=	8.5	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 12:20:00 PM	Chromium VI	n/a	=	0.18	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Copper	Dissolved	=	3.3	µg/L	EPA 200.8	0.13	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-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Copper	Total	=	7.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 4:51:00 PM	Iron	Dissolved	=	20	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/29/2020 4:54:00 PM	Iron	Total	=	3300	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Lead	Dissolved	DNQ	0.061	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Lead	Total	=	2	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/21/2020 4:38:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/21/2020 4:40:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Nickel	Dissolved	=	4.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Nickel	Total	=	8.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Selenium	Dissolved	=	0.83	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Selenium	Total	=	0.94	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Thallium	Total	DNQ	0.037	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 6:45:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/4/2020 8:33:00 PM	Zinc	Total	=	27	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 9:40:00 PM	Ammonia as N	n/a	=	0.1	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 12:32:00 PM	Nitrate + Nitrite as N	n/a	=	5.4	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/17/2020 5:25:00 PM	Nitrate as N	n/a	=	5.1	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 5:08:00 PM	Phosphorus as P	Dissolved	=	1.5	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/5/2020 9:13:00 PM	Phosphorus as P	Total	=	1.2	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 5:38:00 PM	TKN	n/a	=	0.93	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	LB-LCSR
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	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
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	3-4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Benzenidine	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Butyl benzyl phthalate	n/a	DNQ	1.9	µg/L	EPA 625.1	0.9	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Diethyl phthalate	n/a	DNQ	0.96	µg/L	EPA 625.1	0.75	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Di-n-butylphthalate	n/a	DNQ	1	µg/L	EPA 625.1	0.5	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/30/2020 7:43:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Azinphos methyl	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Bolstar	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Chlorpyrifos	n/a	<	0.17	µg/L	EPA 525.2m	0.17	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
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Coumaphos	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	DCPA (Dacthal)	n/a	=	0.45	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Demeton-O	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Demeton-S	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Diazinon	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Dichlorvos	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Dimethoate	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Disulfoton	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Ethoprop	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Ethyl parathion	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Fensulfthion	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Fenthion	n/a	<	0.095	µg/L	EPA 525.2m	0.095	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/20/2020 1:35:00 PM	Glyphosate	n/a	=	8.2	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Malathion	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Merphos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Methyl parathion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Metolachlor	n/a	DNQ	0.075	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Mevinphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Naled	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/6/2020 4:40:00 AM	Pentachlorophenol	n/a	DNQ	2.7	µg/L	EPA 625.1	2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/31/2020 11:44:00 PM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Phorate	n/a	<	0.075	µg/L	EPA 525.2m	0.075	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/25/2020 5:54:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Tokuthion	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	2/14/2020 11:00:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/28/2020 2:02:00 AM	Trichloronate	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
ME-CC	2019/20-2	Wet	1/17/2020 9:40:00 AM	1/23/2020 8:03:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/11/2020 1:30:00 PM	E. Coli	n/a	=	9800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/11/2020 1:30:00 PM	Total Coliform	n/a	=	22470	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/10/2020 11:35:00 AM	Conductivity	n/a	=	1153	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/21/2020 12:13:00 PM	Cyanide	Total	=	0.002	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/10/2020 11:35:00 AM	DO	n/a	=	7.9	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/10/2020 11:35:00 AM	DO	n/a	=	83.2	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/10/2020 11:35:00 AM	pH	n/a	=	8.19	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/10/2020 11:35:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/10/2020 11:35:00 AM	Specific Conductance	n/a	=	1356	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/10/2020 11:35:00 AM	Temperature	n/a	=	17.2	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/16/2020 11:35:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/18/2020 7:29:00 PM	Oil and Grease	n/a	DNQ	1.3	mg/L	EPA 1664A	1.3	5	WKL	LB-MSR
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/11/2020 8:31:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
ME-CC	2019/20-3	Wet	3/10/2020 11:35:00 AM	3/11/2020 8:31:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 1:20:00 AM	Chloride	n/a	=	160	mg/L	EPA 300.0	0.17	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 1:20:00 AM	Fluoride	n/a	=	0.42	mg/L	EPA 300.0	0.018	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 7:43:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 1:20:00 AM	Sulfate	Total	=	190	mg/L	EPA 300.0	0.48	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:41:00 PM	Calcium	Total	=	67.7	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:41:00 PM	Magnesium	Total	=	43.8	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:41:00 PM	Potassium	Total	=	13	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:41:00 PM	Sodium	Total	=	110	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/16/2020 12:42:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 4:50:00 PM	BOD	n/a	=	3.6	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 11:58:00 AM	COD	n/a	=	28	mg/L	EPA 410.4	2.9	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 2:40:00 PM	Dissolved Inorganic Carbon	Dissolved	=	42	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/31/2020 2:59:00 PM	Dissolved Organic Carbon	Dissolved	=	8.3	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:41:00 PM	Hardness as CaCO3	Total	=	349	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 3:39:00 PM	MBAS	n/a	DNQ	0.027	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 3:54:00 PM	Phenolics	n/a	DNQ	0.0093	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 3:40:00 PM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 6:06:00 PM	Total Chlorine Residual	n/a	=	0.18	mg/L	SM 4500-C1 G	0.0076	0.05	WKL	EST-HT
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 5:40:00 PM	Total Dissolved Solids	n/a	=	720	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 4:28:00 PM	Total Organic Carbon	n/a	=	8.5	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 6:25:00 PM	Total Suspended Solids	n/a	=	98	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 12:46:00 PM	Turbidity	n/a	=	38	NTU	EPA 180.1	0.017	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 4:41:00 PM	Volatile Suspended Solids	n/a	=	16	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
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 5:31:00 PM	Diesel Range Organics	n/a	DNQ	0.092	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 5:31:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Aluminum	Dissolved	=	7.2	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Aluminum	Total	=	2900	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Antimony	Dissolved	DNQ	0.49	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Antimony	Total	=	0.55	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Arsenic	Dissolved	=	3.5	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Arsenic	Total	=	4.1	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Barium	Total	=	43	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Beryllium	Total	DNQ	0.09	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Cadmium	Dissolved	=	0.25	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Cadmium	Total	=	0.35	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Chromium	Dissolved	=	0.3	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Chromium	Total	=	8.2	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 12:30:00 PM	Chromium VI	n/a	=	0.17	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Copper	Total	=	7.8	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:38:00 PM	Iron	Dissolved	=	24	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:41:00 PM	Iron	Total	=	3600	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Lead	Dissolved	DNQ	0.071	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Lead	Total	=	1.4	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/16/2020 10:53:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/16/2020 10:54:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Nickel	Dissolved	=	4.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Nickel	Total	=	10	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Selenium	Dissolved	=	0.87	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Selenium	Total	=	0.89	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Silver	Total	DNQ	0.086	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Thallium	Dissolved	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Thallium	Total	DNQ	0.035	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:39:00 PM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:25:00 PM	Zinc	Total	=	34	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 4:31:00 PM	Ammonia as N	n/a	DNQ	0.044	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 11:37:00 AM	Nitrate + Nitrite as N	n/a	=	6.6	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 11:37:00 AM	Nitrate as N	n/a	=	6.5	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:38:00 PM	Phosphorus as P	Dissolved	=	2	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 12:41:00 PM	Phosphorus as P	Total	=	2.3	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/16/2020 5:19:00 PM	TKN	n/a	=	1	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 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
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Benzo(a)pyrene	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.21	µg/L	EPA 525.2	0.21	10	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.1	µg/L	EPA 525.2	2.1	6	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.38	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Di-n-butylphthalate	n/a	DNQ	0.22	µg/L	EPA 625.1	0.1	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 2:01:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 7:00:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	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
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Alachlor	n/a	<	0.044	µg/L	EPA 525.2	0.044	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Atrazine	n/a	<	0.068	µg/L	EPA 525.2	0.068	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Bromacil	n/a	<	0.076	µg/L	EPA 525.2	0.076	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Butachlor	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Captan	n/a	<	1.7	µg/L	EPA 525.2	1.7	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Chlorpropham	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Cyanazine	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	DCPA (Daacthal)	n/a	=	0.44	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Diazinon	n/a	<	0.19	µg/L	EPA 525.2	0.19	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Dimethoate	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Diphenamid	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Disulfoton	n/a	<	0.062	µg/L	EPA 525.2	0.062	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	EPTC	n/a	<	0.034	µg/L	EPA 525.2	0.034	2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Fensulfotion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	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	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 5:28:00 PM	Glyphosate	n/a	=	7.6	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Metolachlor	n/a	DNQ	0.17	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Metribuzin	n/a	<	0.03	µg/L	EPA 525.2	0.03	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Molinate	n/a	<	0.078	µg/L	EPA 525.2	0.078	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	4/1/2020 2:56:00 AM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:04:00 PM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:40:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:39:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Prometon	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Prometryn	n/a	DNQ	0.16	µg/L	EPA 525.2	0.072	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Simazine	n/a	<	0.03	µg/L	EPA 525.2	0.03	0.2	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Terbacil	n/a	<	1.1	µg/L	EPA 525.2	1.1	4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Thiobencarb	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.4	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/30/2020 5:31:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 10:54:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-CC	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 6:32:00 PM	Trithion	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/14/2020 1:47:00 AM	Chloride	n/a	=	220	mg/L	EPA 300.0	0.17	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/14/2020 1:47:00 AM	Fluoride	n/a	=	0.35	mg/L	EPA 300.0	0.018	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/14/2020 12:06:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/14/2020 1:47:00 AM	Sulfate	Total	=	260	mg/L	EPA 300.0	0.48	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 7:00:00 AM	E. Coli	n/a	=	246	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 7:00:00 AM	Total Coliform	n/a	=	15650	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:56:00 PM	Calcium	Total	=	91.5	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:56:00 PM	Magnesium	Total	=	53.5	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:56:00 PM	Potassium	Total	=	17	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:56:00 PM	Sodium	Total	=	170	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 10:29:00 AM	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/18/2020 4:51:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 12:42:00 PM	COD	n/a	=	13	mg/L	EPA 410.4	2.9	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/12/2020 10:30:00 AM	Conductivity	n/a	=	1640	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 4:08:00 PM	Cyanide	Total	=	0.0023	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	61	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/27/2020 11:41:00 AM	Dissolved Organic Carbon	Dissolved	=	5.8	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/12/2020 10:30:00 AM	DO	n/a	=	119.2	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/12/2020 10:30:00 AM	DO	n/a	=	10.77	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:56:00 PM	Hardness as CaCO3	Total	=	449	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
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 3:24:00 PM	MBAS	n/a	DNQ	0.048	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/12/2020 10:30:00 AM	pH	n/a	=	8.19	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/27/2020 1:00:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/12/2020 10:30:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/12/2020 10:30:00 AM	Specific Conductance	n/a	=	1821	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 12:52:00 PM	Specific Conductance	n/a	=	1700	µmhos/cm	SM 2510 B	0.7	6	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/12/2020 10:30:00 AM	Temperature	n/a	=	19.8	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/14/2020 6:00:00 PM	Total Dissolved Solids	n/a	=	1000	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/28/2020 1:20:00 PM	Total Organic Carbon	n/a	=	6.1	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/16/2020 11:55:00 AM	Total Suspended Solids	n/a	=	10	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 5:28:00 PM	Turbidity	n/a	=	2.7	NTU	EPA 180.1	0.017	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/16/2020 11:55:00 AM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 8:10:00 PM	Diesel Range Organics	n/a	=	0.11	mg/L	EPA 8015D	0.032	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/17/2020 10:01:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 10:52:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 8:10:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Aluminum	Dissolved	=	5.9	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Aluminum	Total	=	170	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Antimony	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Antimony	Total	DNQ	0.31	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Arsenic	Dissolved	=	4.7	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Arsenic	Total	=	4.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Barium	Total	=	42	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Cadmium	Dissolved	=	0.23	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Cadmium	Total	=	0.21	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Chromium	Dissolved	=	0.31	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Chromium	Total	=	0.78	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 1:13:00 PM	Chromium VI	n/a	=	0.17	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/28/2020 8:52:00 PM	Copper	Dissolved	=	2.8	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/28/2020 8:55:00 PM	Copper	Total	=	3.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:53:00 PM	Iron	Dissolved	DNQ	6	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:56:00 PM	Iron	Total	=	240	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Lead	Total	DNQ	0.13	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 1:17:00 PM	Mercury	Dissolved	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 1:19:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Nickel	Dissolved	=	7.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Nickel	Total	=	8.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Selenium	Dissolved	=	0.61	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Selenium	Total	=	0.62	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:06:00 PM	Zinc	Dissolved	=	10	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 6:36:00 PM	Zinc	Total	=	12	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	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/14/2020 5:21:00 PM	Ammonia as N	n/a	DNQ	0.051	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 1:13:00 PM	Nitrate + Nitrite as N	n/a	=	7.5	mg/L	EPA 353.2	0.036	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/13/2020 1:13:00 PM	Nitrate as N	n/a	=	7.4	mg/L	EPA 353.2	0.04	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:53:00 PM	Phosphorus as P	Dissolved	=	2.8	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 5:56:00 PM	Phosphorus as P	Total	=	2.9	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/15/2020 5:06:00 PM	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	LB-LCSR
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	LB-LCSR
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	LB-LCSR
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	LB-LCSR
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	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	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.027	µg/L	EPA 8270C	0.027	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	LB-LCSR
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.3	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.45	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Diethyl phthalate	n/a	DNQ	0.41	µg/L	EPA 625.1	0.15	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Dimethyl phthalate	n/a	=	3.2	µg/L	EPA 625.1	0.18	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Di-n-butylphthalate	n/a	DNQ	0.24	µg/L	EPA 625.1	0.1	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	LB-LCSR
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 11:09:00 AM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	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	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Chlorpropham	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.35	WKL	DF
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	Dalapon	n/a	<	1.4	µg/L	EPA 515.4	1.4	1.4	WKL	DF
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	DCPA (Daacthal)	n/a	=	1	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/19/2020 7:08:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Molinate	n/a	DNQ	0.062	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/29/2020 5:31:00 AM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/22/2020 5:10:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/23/2020 6:05:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/2/2020 10:03:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	6/12/2020 12:32:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2019/20-5	Dry	5/12/2020 10:30:00 AM	5/21/2020 9:40:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	706	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	27550	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	Conductivity	n/a	=	1351	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	12/3/2019 5:21:00 PM	Cyanide	Total	=	0.0044	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	DO	n/a	=	9.38	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	DO	n/a	=	82.5	%	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
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	pH	n/a	=	7.71	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	Specific Conductance	n/a	=	2047	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 9:45:00 AM	Temperature	n/a	=	11.5	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	12/8/2019 10:07:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	n/a	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	12/7/2019 3:09:00 PM	Oil and Grease	n/a	DNQ	1.8	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 11:27:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 9:45:00 AM	11/27/2019 11:27:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 11:47:00 PM	Chloride	n/a	=	73	mg/L	EPA 300.0	0.42	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 11:47:00 PM	Fluoride	n/a	DNQ	0.35	mg/L	EPA 300.0	0.045	0.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 10:05:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 11:47:00 PM	Sulfate	Total	=	550	mg/L	EPA 300.0	1.2	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Calcium	Total	=	137	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Magnesium	Total	=	57.3	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Potassium	Total	=	11	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Sodium	Total	=	99	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/3/2019 3:04:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/3/2019 11:47:00 AM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/6/2019 1:00:00 PM	COD	n/a	=	44	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	41	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	9.7	mg/L	SM 5310 B	0.013	0.3	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Hardness as CaCO3	Total	=	578	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	11/28/2019 11:38:00 AM	MBAS	n/a	DNQ	0.022	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 5:44:00 PM	Phenolics	n/a	DNQ	0.0085	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 12:02:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	1100	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 1:18:00 PM	Total Suspended Solids	n/a	=	320	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	11/28/2019 11:05:00 AM	Turbidity	n/a	=	230	NTU	EPA 180.1	0.17	1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 1:18:00 PM	Volatile Suspended Solids	n/a	=	34	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/31/2019 12:06:00 AM	Diesel Range Organics	n/a	=	0.6	mg/L	EPA 8015D	0.12	0.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/31/2019 12:06:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 2:31:00 PM	Aluminum	Dissolved	DNQ	3.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 3:38:00 PM	Aluminum	Total	=	5100	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 2:31:00 PM	Antimony	Dissolved	DNQ	0.31	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 3:38:00 PM	Antimony	Total	DNQ	0.38	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Barium	Total	=	67	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 2:31:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 3:38:00 PM	Beryllium	Total	=	0.29	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 2:31:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 3:38:00 PM	Cadmium	Total	=	0.45	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Chromium	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Chromium	Total	=	8.5	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/3/2019 6:12:00 PM	Chromium VI	n/a	=	0.082	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Copper	Dissolved	=	2.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Copper	Total	=	10	µg/L	EPA 200.8	0.13	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	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Iron	Dissolved	=	26	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Iron	Total	=	8300	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Lead	Total	=	4	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/24/2019 11:41:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/24/2019 11:43:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Nickel	Dissolved	=	2.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Nickel	Total	=	10	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Selenium	Dissolved	=	3.7	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Selenium	Total	=	3.9	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Thallium	Total	DNQ	0.08	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 3:43:00 AM	Zinc	Dissolved	DNQ	3	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 5:30:00 AM	Zinc	Total	=	29	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 4:27:00 PM	Ammonia as N	n/a	=	0.34	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/16/2019 11:38:00 AM	Nitrate + Nitrite as N	n/a	=	1.9	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Phosphorus as P	Dissolved	=	0.32	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 2:06:00 PM	Phosphorus as P	Total	=	0.73	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 5:21:00 PM	TKN	n/a	=	2.2	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	EST-LCSRPD
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	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
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Benzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Butyl benzyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Diethyl phthalate	n/a	DNQ	1	µg/L	EPA 625.1	0.3	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Di-n-butylphthalate	n/a	<	0.2	µg/L	EPA 625.1	0.2	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	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-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 3:24:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Azinphos methyl	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	Bentazon	n/a	DNQ	0.39	µg/L	EPA 515.4	0.23	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Bolstar	n/a	<	0.092	µg/L	EPA 525.2m	0.092	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Chlorpyrifos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Coumaphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	DCPA (Dacthal)	n/a	=	0.25	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Demeton-O	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Demeton-S	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Diazinon	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	Dicamba	n/a	DNQ	0.091	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Dichlorvos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	LB-LCSR
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Disulfoton	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Ethoprop	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Ethyl parathion	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Fensulfothion	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Fenthion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 1:43:00 AM	Glyphosate	n/a	=	8.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Malathion	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Merphos	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Methyl parathion	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Mevinphos	n/a	<	0.084	µg/L	EPA 525.2m	0.084	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Naled	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 2:33:00 AM	Pentachlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/9/2019 8:31:00 PM	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Phorate	n/a	<	0.06	µg/L	EPA 525.2m	0.06	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 2:32:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	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	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Ronnel (Fenclorophos)	n/a	<	0.082	µg/L	EPA 525.2m	0.082	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Tokuthion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 9:35:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Trichloronate	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
ME-SCR	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 11:13:00 PM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	108	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	7030	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/16/2020 10:10:00 PM	Conductivity	n/a	=	64.4	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/23/2020 3:32:00 PM	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/16/2020 10:10:00 PM	DO	n/a	=	8.65	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/16/2020 10:10:00 PM	DO	n/a	=	52.8	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/16/2020 10:10:00 PM	pH	n/a	=	8.11	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/16/2020 10:10:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/16/2020 10:10:00 PM	Specific Conductance	n/a	=	144.4	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/16/2020 10:10:00 PM	Temperature	n/a	=	12.5	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/19/2020 11:08:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/17/2020 7:16:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
ME-SCR	2019/20-2	Wet	1/16/2020 10:10:00 PM	1/17/2020 7:16:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 2:24:00 PM	Chloride	n/a	=	57	mg/L	EPA 300.0	0.42	2.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 2:24:00 PM	Fluoride	n/a	=	0.52	mg/L	EPA 300.0	0.045	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 8:24:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 2:24:00 PM	Sulfate	Total	=	470	mg/L	EPA 300.0	1.2	2.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 5:00:00 PM	Calcium	Total	=	132	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 5:00:00 PM	Magnesium	Total	=	50.5	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 5:00:00 PM	Potassium	Total	=	6.6	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 5:00:00 PM	Sodium	Total	=	89	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/22/2020 11:29:00 AM	Alkalinity as CaCO3	n/a	=	190	mg/L	SM 2320 B	0.56	2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/22/2020 4:26:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/27/2020 5:47:00 PM	COD	n/a	=	17	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	50	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	5	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 5:00:00 PM	Hardness as CaCO3	Total	=	539	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/17/2020 7:29:00 PM	MBAS	n/a	DNQ	0.024	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/22/2020 4:51:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/21/2020 11:43:00 AM	Specific Conductance	n/a	=	1300	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	1000	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	4.9	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	590	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/17/2020 6:17:00 PM	Turbidity	n/a	=	320	NTU	EPA 180.1	0.34	2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	43	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 10:58:00 PM	Diesel Range Organics	n/a	DNQ	0.075	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 10:58:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Aluminum	Dissolved	DNQ	2.9	µg/L	EPA 200.8	1.3	5	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	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Aluminum	Total	=	6500	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Antimony	Dissolved	DNQ	0.34	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Antimony	Total	DNQ	0.43	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Arsenic	Dissolved	=	0.63	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Arsenic	Total	=	2.9	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Barium	Total	=	83	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Beryllium	Total	=	0.33	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Cadmium	Total	=	0.23	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Chromium	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Chromium	Total	=	12	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 12:32:00 PM	Chromium VI	n/a	=	0.044	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Copper	Total	=	10	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 4:57:00 PM	Iron	Dissolved	=	19	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/29/2020 5:00:00 PM	Iron	Total	=	9600	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Lead	Total	=	4	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/21/2020 4:45:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/21/2020 4:47:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Nickel	Dissolved	=	1.5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Nickel	Total	=	10	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Selenium	Dissolved	=	2.5	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Selenium	Total	=	2.9	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Thallium	Dissolved	DNQ	0.015	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Thallium	Total	DNQ	0.12	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 6:49:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/4/2020 8:37:00 PM	Zinc	Total	=	26	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 4:40:00 PM	Ammonia as N	n/a	DNQ	0.043	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 12:36:00 PM	Nitrate + Nitrite as N	n/a	=	1.4	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/31/2020 5:17:00 PM	Phosphorus as P	Dissolved	=	0.055	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/5/2020 9:16:00 PM	Phosphorus as P	Total	=	0.22	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 5:41:00 PM	TKN	n/a	=	0.55	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	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
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Benzidine	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Butyl benzyl phthalate	n/a	DNQ	1.9	µg/L	EPA 625.1	0.9	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	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	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Di-n-butylphthalate	n/a	DNQ	0.99	µg/L	EPA 625.1	0.5	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/30/2020 8:17:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Azinphos methyl	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Bolstar	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Chlorpyrifos	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Coumaphos	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	DCPA (Dacthal)	n/a	=	1.4	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Demeton-O	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Demeton-S	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Diazinon	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Dichlorvos	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Dimethoate	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Disulfoton	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Ethoprop	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Ethyl parathion	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Fensulfothion	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Fenthion	n/a	<	0.095	µg/L	EPA 525.2m	0.095	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/20/2020 1:47:00 PM	Glyphosate	n/a	DNQ	2.5	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Malathion	n/a	<	0.19	µg/L	EPA 525.2m	0.19	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
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Merphos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Methyl parathion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Mevinphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Naled	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/6/2020 5:10:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/1/2020 12:14:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Phorate	n/a	<	0.075	µg/L	EPA 525.2m	0.075	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/25/2020 6:30:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Simazine	n/a	DNQ	0.21	µg/L	EPA 525.2	0.075	0.5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Toxuthion	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	2/14/2020 11:30:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/28/2020 2:30:00 AM	Trichloronate	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
ME-SCR	2019/20-2	Wet	1/17/2020 10:25:00 AM	1/23/2020 8:30:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/6/2020 9:45:00 AM	Conductivity	n/a	=	303.2	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/16/2020 4:35:00 PM	Cyanide	Total	=	0.013	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/6/2020 9:45:00 AM	DO	n/a	=	0.87	mg/L	Field Meter	-88	0.3	Field Crew	R
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/6/2020 9:45:00 AM	DO	n/a	=	8.4	%	Field Meter	-88	0.1	Field Crew	R
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/6/2020 9:45:00 AM	pH	n/a	=	7.79	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/6/2020 9:45:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/6/2020 9:45:00 AM	Specific Conductance	n/a	=	400	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/6/2020 9:45:00 AM	Temperature	n/a	=	11.9	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 3:39:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/7/2020 3:35:00 PM	Chloride	n/a	=	31	mg/L	EPA 300.0	0.42	2.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/7/2020 3:35:00 PM	Fluoride	n/a	DNQ	0.39	mg/L	EPA 300.0	0.045	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/8/2020 5:48:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/7/2020 3:35:00 PM	Sulfate	Total	=	300	mg/L	EPA 300.0	1.2	2.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:39:00 PM	Calcium	Total	=	193	mg/L	EPA 200.7	0.032	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:39:00 PM	Magnesium	Total	=	89.6	mg/L	EPA 200.7	0.024	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:39:00 PM	Potassium	Total	=	32	mg/L	EPA 200.7	0.16	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:39:00 PM	Sodium	Total	=	70	mg/L	EPA 200.7	0.03	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/14/2020 12:02:00 PM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:36:00 PM	BOD	n/a	=	7.1	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/14/2020 11:38:00 AM	COD	n/a	=	350	mg/L	EPA 410.4	2.9	5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/27/2020 11:28:00 AM	Dissolved Inorganic Carbon	Dissolved	=	36	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/16/2020 12:04:00 PM	Dissolved Organic Carbon	Dissolved	=	4.9	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:39:00 PM	Hardness as CaCO3	Total	=	851	mg/L	EPA 200.7	0.179	1.32	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/7/2020 7:06:00 PM	MBAS	n/a	DNQ	0.023	mg/L	SM 5540 C	0.017	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-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 3:58:00 PM	Phenolics	n/a	DNQ	0.007	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 1:23:00 PM	Specific Conductance	n/a	=	950	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/8/2020 6:44:00 PM	Total Dissolved Solids	n/a	=	640	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 10:32:00 AM	Total Organic Carbon	n/a	=	5.2	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/8/2020 10:45:00 AM	Total Suspended Solids	n/a	=	8600	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/7/2020 4:44:00 PM	Turbidity	n/a	=	320	NTU	EPA 180.1	0.34	2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/8/2020 10:45:00 AM	Volatile Suspended Solids	n/a	=	560	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/8/2020 10:24:00 PM	Diesel Range Organics	n/a	DNQ	0.049	mg/L	EPA 8015D	0.032	0.1	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/8/2020 10:24:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 10:00:00 AM	Aluminum	Dissolved	DNQ	4.6	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 2:09:00 PM	Aluminum	Total	=	93000	µg/L	EPA 200.8	2600	10000	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Antimony	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Antimony	Total	DNQ	0.31	µg/L	EPA 200.8	0.09	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Arsenic	Dissolved	=	0.58	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Arsenic	Total	=	36	µg/L	EPA 200.8	0.15	0.8	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Barium	Total	=	1200	µg/L	EPA 200.8	0.14	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Beryllium	Total	=	6.1	µg/L	EPA 200.8	0.066	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Cadmium	Total	=	4.7	µg/L	EPA 200.8	0.082	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Chromium	Dissolved	DNQ	0.069	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Chromium	Total	=	140	µg/L	EPA 200.8	0.07	0.4	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/8/2020 5:59:00 PM	Chromium VI	n/a	<	0.04	µg/L	EPA 218.6	0.04	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Copper	Dissolved	=	1.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Copper	Total	=	160	µg/L	EPA 200.8	0.26	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 3:29:00 PM	Iron	Dissolved	DNQ	7	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:39:00 PM	Iron	Total	=	160000	µg/L	EPA 200.7	2.2	20	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Lead	Total	=	73	µg/L	EPA 200.8	0.062	0.4	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 1:47:00 PM	Mercury	Dissolved	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 1:48:00 PM	Mercury	Total	=	280	ng/L	EPA 245.1	34	100	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Nickel	Dissolved	=	1.8	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Nickel	Total	=	190	µg/L	EPA 200.8	0.09	1.6	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Selenium	Dissolved	=	1.9	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Selenium	Total	=	6.5	µg/L	EPA 200.8	0.28	0.8	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Silver	Total	=	0.57	µg/L	EPA 200.8	0.12	0.4	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Thallium	Dissolved	DNQ	0.019	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Thallium	Total	=	1.9	µg/L	EPA 200.8	0.028	0.4	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 12:35:00 PM	Zinc	Dissolved	DNQ	1.4	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/12/2020 1:38:00 PM	Zinc	Total	=	520	µg/L	EPA 200.8	1.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 3:06:00 PM	Ammonia as N	n/a	=	0.21	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/7/2020 5:11:00 PM	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.036	0.2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 3:29:00 PM	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:39:00 PM	Phosphorus as P	Total	=	5.7	mg/L	EPA 200.7	0.024	0.04	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 1:26:00 PM	TKN	n/a	=	6.1	mg/L	EPA 351.2	0.018	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	1,2,4-Trichlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	1,2-Dichlorobenzene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG

Appendix G  
Laboratory 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	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	1,2-Diphenylhydrazine	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	1,3-Dichlorobenzene	n/a	<	4.2	µg/L	EPA 625.1	4.2	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	1,4-Dichlorobenzene	n/a	<	4.8	µg/L	EPA 625.1	4.8	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2,4-Dinitrophenol	n/a	<	19	µg/L	EPA 625.1	19	100	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625.1	4.5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	3,3'-Dichlorobenzidine	n/a	<	9.9	µg/L	EPA 625.1	9.9	50	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	14	µg/L	EPA 625.1	14	50	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625.1	2.3	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625.1	4.1	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	4-Nitrophenol	n/a	<	12	µg/L	EPA 625.1	12	50	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Acenaphthylene	n/a	<	1.7	µg/L	EPA 625.1	1.7	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Anthracene	n/a	<	1.2	µg/L	EPA 625.1	1.2	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Benzenzidine	n/a	<	14	µg/L	EPA 625.1	14	100	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Benzo(a)pyrene	n/a	<	3.5	µg/L	EPA 525.2	3.5	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Benzo(a)pyrene	n/a	<	3.9	µg/L	EPA 625.1	3.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Benzo(b)fluoranthene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Benzo(g,h,i)perylene	n/a	<	4.2	µg/L	EPA 625.1	4.2	20	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG

Appendix G  
Laboratory 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	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	5.2	µg/L	EPA 525.2	5.2	250	WKL	DG, LB-MSR
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	53	µg/L	EPA 525.2	53	150	WKL	DG, LB-MSR
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625.1	23	50	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Dibenz(a,h)anthracene	n/a	<	5.3	µg/L	EPA 625.1	5.3	20	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625.1	1.5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Di-n-butylphthalate	n/a	DNQ	2	µg/L	EPA 625.1	1	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Di-n-octylphthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Fluoranthene	n/a	<	0.8	µg/L	EPA 625.1	0.8	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625.1	3.5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625.1	4.7	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Hexachlorocyclopentadiene	n/a	<	9.8	µg/L	EPA 625.1	9.8	50	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Hexachloroethane	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	5.5	µg/L	EPA 625.1	5.5	20	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	N-Nitrosodimethylamine	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625.1	3.2	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625.1	1.6	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 7:38:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	DG

Appendix G  
Laboratory 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	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Alachlor	n/a	<	1.1	µg/L	EPA 525.2	1.1	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Atrazine	n/a	<	1.7	µg/L	EPA 525.2	1.7	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Azinphos methyl	n/a	<	0.28	µg/L	EPA 525.2m	0.28	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Bolstar	n/a	<	0.23	µg/L	EPA 525.2m	0.23	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Bromacil	n/a	<	1.9	µg/L	EPA 525.2	1.9	50	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Butachlor	n/a	<	0.85	µg/L	EPA 525.2	0.85	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Captan	n/a	<	43	µg/L	EPA 525.2	43	50	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Chlorpropham	n/a	<	0.5	µg/L	EPA 525.2	0.5	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Chlorpyrifos	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Coumaphos	n/a	<	0.26	µg/L	EPA 525.2m	0.26	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Cyanazine	n/a	<	1.2	µg/L	EPA 525.2	1.2	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	DCPA (Dacthal)	n/a	=	0.12	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Demeton-O	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Demeton-S	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Diazinon	n/a	<	4.8	µg/L	EPA 525.2	4.8	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Diazinon	n/a	<	0.26	µg/L	EPA 525.2m	0.26	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Dichlorvos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Dimethoate	n/a	<	0.31	µg/L	EPA 525.2m	0.31	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Dimethoate	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Diphenamid	n/a	<	1.2	µg/L	EPA 525.2	1.2	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Disulfoton	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Disulfoton	n/a	<	1.6	µg/L	EPA 525.2	1.6	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	EPTC	n/a	<	0.85	µg/L	EPA 525.2	0.85	50	WKL	DG

Appendix G  
Laboratory 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	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Ethoprop	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Ethyl parathion	n/a	<	0.27	µg/L	EPA 525.2m	0.27	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Fensulfothion	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Fenthion	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 6:59:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Malathion	n/a	<	0.38	µg/L	EPA 525.2m	0.38	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Merphos	n/a	<	0.29	µg/L	EPA 525.2m	0.29	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Methyl parathion	n/a	<	0.32	µg/L	EPA 525.2m	0.32	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Metolachlor	n/a	<	0.6	µg/L	EPA 525.2	0.6	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Metribuzin	n/a	<	0.75	µg/L	EPA 525.2	0.75	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Mevinphos	n/a	<	0.21	µg/L	EPA 525.2m	0.21	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Molinate	n/a	<	2	µg/L	EPA 525.2	2	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Naled	n/a	<	0.38	µg/L	EPA 525.2m	0.38	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/10/2020 4:03:00 PM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 11:30:00 PM	Pentachlorophenol	n/a	<	4	µg/L	EPA 625.1	4	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Phorate	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/9/2020 11:10:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Prometon	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Prometryn	n/a	<	1.8	µg/L	EPA 525.2	1.8	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Simazine	n/a	<	0.75	µg/L	EPA 525.2	0.75	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Terbacil	n/a	<	28	µg/L	EPA 525.2	28	100	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Thiobencarb	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Tokuthion	n/a	<	0.39	µg/L	EPA 525.2m	0.39	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/15/2020 7:17:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/20/2020 8:40:00 PM	Trichloronate	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	DG
ME-SCR	2019/20-4	Wet	4/6/2020 10:00:00 AM	4/13/2020 4:25:00 PM	Trithion	n/a	<	0.6	µg/L	EPA 525.2	0.6	5	WKL	DG
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/29/2020 7:00:00 AM	E. Coli	n/a	=	30	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/29/2020 7:00:00 AM	Total Coliform	n/a	=	1201	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/28/2020 10:00:00 AM	Conductivity	n/a	=	1096	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	5/6/2020 3:25:00 PM	Cyanide	Total	DNQ	0.0009	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/28/2020 10:00:00 AM	DO	n/a	=	99.5	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/28/2020 10:00:00 AM	DO	n/a	=	9.18	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/28/2020 10:00:00 AM	pH	n/a	=	8.09	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/28/2020 10:00:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/28/2020 10:00:00 AM	Specific Conductance	n/a	=	1245	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/28/2020 10:00:00 AM	Temperature	n/a	=	18.7	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	5/3/2020 6:02:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:00:00 AM	4/29/2020 4:44:00 PM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/29/2020 6:44:00 PM	Chloride	n/a	=	44	mg/L	EPA 300.0	0.085	0.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/29/2020 6:44:00 PM	Fluoride	n/a	=	0.66	mg/L	EPA 300.0	0.009	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	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/29/2020 4:31:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/1/2020 1:42:00 PM	Sulfate	Total	=	340	mg/L	EPA 300.0	0.96	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 2:04:00 PM	Calcium	Total	=	129	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 2:04:00 PM	Magnesium	Total	=	44.1	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 2:04:00 PM	Potassium	Total	=	3.9	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 2:04:00 PM	Sodium	Total	=	72	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/5/2020 12:40:00 PM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 11:31:00 AM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/5/2020 4:30:00 PM	COD	n/a	DNQ	4.3	mg/L	EPA 410.4	2.9	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	52	mg/L	SM 5310 B	0.5	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/1/2020 10:20:00 AM	Dissolved Organic Carbon	Dissolved	=	2.7	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 2:04:00 PM	Hardness as CaCO3	Total	=	504	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/29/2020 3:26:00 PM	MBAS	n/a	DNQ	0.022	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:24:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/1/2020 12:24:00 PM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 4:25:00 PM	Total Dissolved Solids	n/a	=	840	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 3:18:00 PM	Total Organic Carbon	n/a	=	2.7	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/1/2020 1:53:00 PM	Total Suspended Solids	n/a	=	15	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/29/2020 2:04:00 PM	Turbidity	n/a	=	2.9	NTU	EPA 180.1	0.017	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/1/2020 1:53:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/6/2020 9:31:00 PM	Diesel Range Organics	n/a	DNQ	0.061	mg/L	EPA 8015D	0.032	0.1	WKL	UL-MB
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/6/2020 9:31:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Aluminum	Dissolved	=	7.7	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 2:08:00 PM	Aluminum	Total	=	200	µg/L	EPA 200.8	13	50	WKL	HB-MSR
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Antimony	Dissolved	DNQ	0.3	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Antimony	Total	DNQ	0.26	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Arsenic	Dissolved	=	0.85	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Arsenic	Total	=	0.92	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Barium	Total	=	48	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Cadmium	Dissolved	DNQ	0.054	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Cadmium	Total	DNQ	0.085	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Chromium	Dissolved	=	0.29	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Chromium	Total	=	0.4	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/29/2020 2:45:00 PM	Chromium VI	n/a	=	0.036	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Copper	Dissolved	=	0.77	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Copper	Total	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:20:00 PM	Iron	Dissolved	DNQ	7	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 2:04:00 PM	Iron	Total	=	350	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Lead	Total	=	0.2	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/1/2020 1:20:00 PM	Mercury	Dissolved	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/1/2020 1:22:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Nickel	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Nickel	Total	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Selenium	Dissolved	=	2.4	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Selenium	Total	=	2.4	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-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 12:39:00 PM	Zinc	Dissolved	DNQ	0.95	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:26:00 PM	Zinc	Total	DNQ	1.7	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 2:27:00 PM	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/29/2020 4:37:00 PM	Nitrate + Nitrite as N	n/a	=	0.83	mg/L	EPA 353.2	0.036	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 1:20:00 PM	Phosphorus as P	Dissolved	=	0.029	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/4/2020 2:04:00 PM	Phosphorus as P	Total	=	0.044	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/6/2020 5:11:00 PM	TKN	n/a	DNQ	0.036	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Benzo(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Benzo(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Ben-zidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Benzo(a)pyrene	n/a	DNQ	0.088	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Benzo(b)fluoranthene	n/a	DNQ	0.027	µg/L	EPA 8270C	0.027	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.13	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.41	µg/L	EPA 625.1	0.18	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Diethyl phthalate	n/a	DNQ	0.58	µg/L	EPA 625.1	0.15	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Di-n-butylphthalate	n/a	DNQ	0.2	µg/L	EPA 625.1	0.1	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	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	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 3:23:00 AM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	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	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/1/2020 5:07:00 PM	Glyphosate	n/a	<	9	µg/L	EPA 547	9	25	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Mevinphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/13/2020 8:16:00 PM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/8/2020 10:39:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/2/2020 4:47:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Prometryn	n/a	DNQ	0.037	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Ronnel (Fenclorophos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Simazine	n/a	DNQ	0.051	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/11/2020 11:57:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	5/14/2020 2:30:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
ME-SCR	2019/20-5	Dry	4/28/2020 10:05:00 AM	4/30/2020 10:46:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 10:15:00 AM	Conductivity	n/a	=	815	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	12/3/2019 5:34:00 PM	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 10:15:00 AM	DO	n/a	=	6.37	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 10:15:00 AM	DO	n/a	=	60.7	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 10:15:00 AM	pH	n/a	=	7.98	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 10:15:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 10:15:00 AM	Specific Conductance	n/a	=	1057	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 10:15:00 AM	Temperature	n/a	=	13.1	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	12/8/2019 10:35:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	12/14/2019 2:27:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 11:50:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 10:15:00 AM	11/27/2019 11:50:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/5/2019 12:05:00 AM	Chloride	n/a	=	53	mg/L	EPA 300.0	0.42	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/5/2019 12:05:00 AM	Fluoride	n/a	DNQ	0.32	mg/L	EPA 300.0	0.045	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/5/2019 10:32:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/5/2019 12:05:00 AM	Sulfate	Total	=	260	mg/L	EPA 300.0	1.2	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Calcium	Total	=	103	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Magnesium	Total	=	30.2	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Potassium	Total	=	4.4	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Sodium	Total	=	54	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/3/2019 3:14:00 PM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/3/2019 11:25:00 AM	BOD	n/a	=	2.1	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/6/2019 1:00:00 PM	COD	n/a	=	7.6	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	49	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	3.6	mg/L	SM 5310 B	0.013	0.3	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Hardness as CaCO3	Total	=	381	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	11/28/2019 11:38:00 AM	MBAS	n/a	DNQ	0.048	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 5:44:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 12:04:00 PM	Specific Conductance	n/a	=	990	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	650	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	4	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 1:18:00 PM	Total Suspended Solids	n/a	=	27	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	11/28/2019 11:07:00 AM	Turbidity	n/a	=	13	NTU	EPA 180.1	0.017	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 1:18:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 4:29:00 PM	Diesel Range Organics	n/a	DNQ	0.074	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 4:29:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/22/2020 2:35:00 PM	Aluminum	Dissolved	DNQ	2	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/22/2020 3:42:00 PM	Aluminum	Total	=	260	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/22/2020 2:35:00 PM	Antimony	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/22/2020 3:42:00 PM	Antimony	Total	DNQ	0.07	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Arsenic	Dissolved	=	0.5	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Arsenic	Total	=	0.76	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Barium	Total	=	49	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/22/2020 2:35:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/22/2020 3:42:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/22/2020 2:35:00 PM	Cadmium	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/22/2020 3:42:00 PM	Cadmium	Total	=	0.13	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
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Chromium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Chromium	Total	=	0.54	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/3/2019 6:24:00 PM	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Copper	Dissolved	DNQ	0.48	µg/L	EPA 200.8	0.13	0.5	WKL	UL-MB
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Copper	Total	=	1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Iron	Dissolved	=	32	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Iron	Total	=	670	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Lead	Total	=	0.32	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/24/2019 11:56:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/24/2019 11:58:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Nickel	Dissolved	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Nickel	Total	=	2.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Selenium	Dissolved	=	1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Selenium	Total	=	0.98	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:50:00 AM	Zinc	Dissolved	DNQ	1.2	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 5:38:00 AM	Zinc	Total	DNQ	3.2	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 4:15:00 PM	Ammonia as N	n/a	DNQ	0.02	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/16/2019 11:41:00 AM	Nitrate + Nitrite as N	n/a	=	0.69	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Phosphorus as P	Dissolved	=	0.029	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/9/2020 2:18:00 PM	Phosphorus as P	Total	=	0.077	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/10/2019 4:59:00 PM	TKN	n/a	=	0.34	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	EST-LCSRPD
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 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-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Diethyl phthalate	n/a	=	1	µg/L	EPA 625.1	0.15	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Fluorene	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	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 5:28:00 PM	NID (as CTAS)	n/a	DNQ	0.038	mg/L	SM 5540 D	0.023	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 3:59:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Fensulfthion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 1:56:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 3:59:00 PM	Imazapyr	n/a	<	0.06	µg/L	EPA 538	0.06	0.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	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	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/9/2019 9:01:00 PM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	1/10/2020 3:03:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/13/2019 3:08:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/20/2019 10:06:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/4/2019 9:24:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
ME-VR2	2019/20-1	Wet	11/27/2019 1:10:00 PM	12/11/2019 10:58:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	709	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	9804	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/16/2020 10:45:00 PM	Conductivity	n/a	=	851	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/23/2020 3:55:00 PM	Cyanide	Total	DNQ	0.001	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/16/2020 10:45:00 PM	DO	n/a	=	77.4	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/16/2020 10:45:00 PM	DO	n/a	=	7.98	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/16/2020 10:45:00 PM	pH	n/a	=	7.54	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/16/2020 10:45:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/16/2020 10:45:00 PM	Specific Conductance	n/a	=	1082	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/16/2020 10:45:00 PM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/19/2020 11:35:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/17/2020 7:39:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
ME-VR2	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/17/2020 7:39:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 2:42:00 PM	Chloride	n/a	=	55	mg/L	EPA 300.0	0.17	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 2:42:00 PM	Fluoride	n/a	=	0.36	mg/L	EPA 300.0	0.018	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 8:51:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 2:42:00 PM	Sulfate	Total	=	300	mg/L	EPA 300.0	0.48	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 5:11:00 PM	Calcium	Total	=	122	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 5:11:00 PM	Magnesium	Total	=	32.7	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 5:11:00 PM	Potassium	Total	=	3.3	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 5:11:00 PM	Sodium	Total	=	56	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/22/2020 11:38:00 AM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/22/2020 4:29:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/22/2020 11:05:00 AM	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	55	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/22/2020 12:36:00 PM	Dissolved Inorganic Carbon	Dissolved	=	3.1	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 5:11:00 PM	Hardness as CaCO3	Total	=	440	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/17/2020 7:29:00 PM	MBAS	n/a	DNQ	0.022	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/22/2020 4:51:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/21/2020 11:45:00 AM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	770	mg/L	SM 2540 C	4	10	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	3.6	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	12	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/17/2020 6:19:00 PM	Turbidity	n/a	=	2.3	NTU	EPA 180.1	0.017	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 11:33:00 PM	Diesel Range Organics	n/a	=	0.11	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 11:33:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Aluminum	Dissolved	DNQ	3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Aluminum	Total	=	95	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Antimony	Dissolved	DNQ	0.098	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Arsenic	Dissolved	DNQ	0.36	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Arsenic	Total	=	0.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Barium	Total	=	55	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Chromium	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Chromium	Total	=	0.28	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 12:44:00 PM	Chromium VI	n/a	=	0.051	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Copper	Dissolved	DNQ	0.49	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Copper	Total	=	0.72	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 5:08:00 PM	Iron	Dissolved	=	77	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/29/2020 5:11:00 PM	Iron	Total	=	240	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Lead	Total	DNQ	0.1	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/21/2020 4:49:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/21/2020 4:51:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Nickel	Dissolved	=	1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Nickel	Total	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Selenium	Dissolved	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Thallium	Total	DNQ	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 6:54:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/4/2020 8:00:00 PM	Zinc	Total	DNQ	1.2	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 4:42:00 PM	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 12:39:00 PM	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.08	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/31/2020 5:19:00 PM	Phosphorus as P	Dissolved	DNQ	0.017	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/5/2020 9:19:00 PM	Phosphorus as P	Total	=	0.024	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 5:45:00 PM	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	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	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	LB-LCSR
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Benzenzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Butyl-n-octyl phthalate	n/a	DNQ	0.38	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Diethyl phthalate	n/a	DNQ	0.73	µg/L	EPA 625.1	0.15	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Di-n-butylphthalate	n/a	DNQ	0.21	µg/L	EPA 625.1	0.1	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/30/2020 8:50:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608.3	0.1	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608.3	0.3	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608.3	0.14	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	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	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Aldrin	n/a	<	0.003	µg/L	EPA 608.3	0.003	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608.3	0.0036	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608.3	0.0082	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	delta-BHC	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.04	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Endrin	n/a	<	0.0056	µg/L	EPA 608.3	0.0056	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.04	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608.3	0.0088	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/20/2020 1:59:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608.3	0.011	0.04	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/1/2020 12:43:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/6/2020 5:40:00 AM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/25/2020 7:06:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	2/15/2020 12:01:00 AM	Toxaphene	n/a	<	0.24	µg/L	EPA 608.3	0.24	1	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/28/2020 9:30:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2019/20-2	Wet	1/17/2020 9:15:00 AM	1/23/2020 8:57:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/6/2020 2:10:00 AM	Conductivity	n/a	=	878	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/16/2020 3:15:00 PM	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/6/2020 2:10:00 AM	DO	n/a	=	8.91	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/6/2020 2:10:00 AM	DO	n/a	=	89.3	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/6/2020 2:10:00 AM	pH	n/a	=	7.63	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/6/2020 2:10:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/6/2020 2:10:00 AM	Specific Conductance	n/a	=	1080	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/6/2020 2:10:00 AM	Temperature	n/a	=	16.3	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2019/20-4	Wet	4/6/2020 2:10:00 AM	4/10/2020 3:39:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/7/2020 3:52:00 PM	Chloride	n/a	=	28	mg/L	EPA 300.0	0.17	1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/7/2020 3:52:00 PM	Fluoride	n/a	=	0.2	mg/L	EPA 300.0	0.018	0.2	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/8/2020 6:15:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/7/2020 3:52:00 PM	Sulfate	Total	=	150	mg/L	EPA 300.0	0.48	1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 4:36:00 PM	Calcium	Total	=	95	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 4:36:00 PM	Magnesium	Total	=	23.6	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 4:36:00 PM	Potassium	Total	=	7	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 4:36:00 PM	Sodium	Total	=	30	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	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/14/2020 12:11:00 PM	Alkalinity as CaCO3	n/a	=	120	mg/L	SM 2320 B	0.56	5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:36:00 PM	BOD	n/a	=	10	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/14/2020 11:48:00 AM	COD	n/a	=	59	mg/L	EPA 410.4	2.9	5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/27/2020 11:28:00 AM	Dissolved Inorganic Carbon	Dissolved	=	27	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/16/2020 12:04:00 PM	Dissolved Organic Carbon	Dissolved	=	6.3	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 4:36:00 PM	Hardness as CaCO3	Total	=	334	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/7/2020 7:06:00 PM	MBAS	n/a	DNQ	0.017	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 1:25:00 PM	Specific Conductance	n/a	=	620	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/8/2020 6:44:00 PM	Total Dissolved Solids	n/a	=	360	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 10:32:00 AM	Total Organic Carbon	n/a	=	5.3	mg/L	SM 5310 B	0.073	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/8/2020 10:45:00 AM	Total Suspended Solids	n/a	=	750	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/7/2020 4:47:00 PM	Turbidity	n/a	=	140	NTU	EPA 180.1	0.17	1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/8/2020 10:45:00 AM	Volatile Suspended Solids	n/a	=	67	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Aluminum	Dissolved	=	12	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 2:14:00 PM	Aluminum	Total	=	13000	µg/L	EPA 200.8	1300	5000	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Antimony	Total	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Arsenic	Dissolved	=	0.52	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Arsenic	Total	=	5.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Barium	Total	=	190	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Beryllium	Total	=	0.66	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Cadmium	Total	=	0.77	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Chromium	Dissolved	=	0.27	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Chromium	Total	=	22	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/8/2020 6:11:00 PM	Chromium VI	n/a	=	0.27	µg/L	EPA 218.6	0.04	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Copper	Dissolved	=	1.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Copper	Total	=	24	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 3:32:00 PM	Iron	Dissolved	=	31	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 4:36:00 PM	Iron	Total	=	22000	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Lead	Dissolved	DNQ	0.033	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Lead	Total	=	12	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/15/2020 1:50:00 PM	Mercury	Dissolved	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/15/2020 1:52:00 PM	Mercury	Total	=	58	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Nickel	Total	=	28	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Selenium	Dissolved	=	0.81	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Selenium	Total	=	1.7	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Silver	Total	DNQ	0.088	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Thallium	Total	=	0.2	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 12:39:00 PM	Zinc	Dissolved	DNQ	1.9	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/12/2020 1:43:00 PM	Zinc	Total	=	91	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 3:09:00 PM	Ammonia as N	n/a	DNQ	0.02	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/7/2020 5:12:00 PM	Nitrate + Nitrite as N	n/a	=	0.6	mg/L	EPA 353.2	0.036	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 3:32:00 PM	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/13/2020 4:36:00 PM	Phosphorus as P	Total	=	0.82	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 1:42:00 PM	TKN	n/a	=	2.1	mg/L	EPA 351.2	0.018	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Benzo(a)pyrene	n/a	<	3.5	µg/L	EPA 525.2	3.5	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	5.2	µg/L	EPA 525.2	5.2	250	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	53	µg/L	EPA 525.2	53	150	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Alachlor	n/a	<	1.1	µg/L	EPA 525.2	1.1	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Atrazine	n/a	<	1.7	µg/L	EPA 525.2	1.7	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Bromacil	n/a	<	1.9	µg/L	EPA 525.2	1.9	50	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Butachlor	n/a	<	0.85	µg/L	EPA 525.2	0.85	10	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Captan	n/a	<	43	µg/L	EPA 525.2	43	50	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Chlorpropham	n/a	<	0.5	µg/L	EPA 525.2	0.5	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Cyanazine	n/a	<	1.2	µg/L	EPA 525.2	1.2	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Diazinon	n/a	<	4.8	µg/L	EPA 525.2	4.8	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Dimethoate	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Diphenamid	n/a	<	1.2	µg/L	EPA 525.2	1.2	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Disulfoton	n/a	<	1.6	µg/L	EPA 525.2	1.6	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	EPTC	n/a	<	0.85	µg/L	EPA 525.2	0.85	50	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 7:11:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Metolachlor	n/a	<	0.6	µg/L	EPA 525.2	0.6	5	WKL	DG

Appendix G  
Laboratory 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	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Metribuzin	n/a	<	0.75	µg/L	EPA 525.2	0.75	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Mevinphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Molinate	n/a	<	2	µg/L	EPA 525.2	2	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	Pentachlorophenol	n/a	DNQ	0.077	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/9/2020 11:36:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Prometon	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Prometryn	n/a	<	1.8	µg/L	EPA 525.2	1.8	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Simazine	n/a	<	0.75	µg/L	EPA 525.2	0.75	5	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Terbacil	n/a	<	28	µg/L	EPA 525.2	28	100	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Thiobencarb	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/20/2020 9:03:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	DG
ME-VR2	2019/20-4	Wet	4/6/2020 9:45:00 AM	4/10/2020 6:20:00 PM	Trithion	n/a	<	0.6	µg/L	EPA 525.2	0.6	5	WKL	DG
ME-VR2	2019/20-5	Dry	4/30/2020 9:30:00 AM	5/1/2020 6:00:00 AM	E. Coli	n/a	=	173	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2019/20-5	Dry	4/30/2020 9:30:00 AM	5/1/2020 6:00:00 AM	Total Coliform	n/a	=	7270	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/1/2020 9:15:00 AM	Conductivity	n/a	=	936	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/6/2020 3:35:00 PM	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/1/2020 9:15:00 AM	DO	n/a	=	8.6	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/1/2020 9:15:00 AM	DO	n/a	=	91.5	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/1/2020 9:15:00 AM	pH	n/a	=	7.78	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/1/2020 9:15:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/1/2020 9:15:00 AM	Specific Conductance	n/a	=	1094	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/1/2020 9:15:00 AM	Temperature	n/a	=	17.6	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/3/2020 7:12:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:15:00 AM	5/4/2020 2:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/4/2020 6:25:00 PM	Chloride	n/a	=	39	mg/L	EPA 300.0	0.085	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/4/2020 6:25:00 PM	Fluoride	n/a	=	0.4	mg/L	EPA 300.0	0.009	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/4/2020 7:55:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/5/2020 12:59:00 AM	Sulfate	Total	=	270	mg/L	EPA 300.0	0.72	1.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:09:00 PM	Calcium	Total	=	120	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:09:00 PM	Magnesium	Total	=	33.9	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:09:00 PM	Potassium	Total	=	2.8	mg/L	EPA 200.7	0.081	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:09:00 PM	Sodium	Total	=	51	mg/L	EPA 200.7	0.015	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/7/2020 12:20:00 PM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 4:15:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/5/2020 4:32:00 PM	COD	n/a	<	2.9	mg/L	EPA 410.4	2.9	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	50	mg/L	SM 5310 B	0.5	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/19/2020 8:25:00 AM	Dissolved Organic Carbon	Dissolved	=	2.2	mg/L	SM 5310 B	0.016	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:09:00 PM	Hardness as CaCO3	Total	=	439	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/1/2020 4:08:00 PM	MBAS	n/a	DNQ	0.023	mg/L	SM 5540 C	0.017	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 4:12:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 1:54:00 PM	Specific Conductance	n/a	=	1000	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/5/2020 6:12:00 PM	Total Dissolved Solids	n/a	=	700	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 12:37:00 PM	Total Organic Carbon	n/a	=	1.7	mg/L	SM 5310 B	0.073	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	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/2/2020 11:05:00 AM	Total Suspended Solids	n/a	DNQ	4	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/1/2020 4:19:00 PM	Turbidity	n/a	=	0.85	NTU	EPA 180.1	0.017	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/2/2020 11:05:00 AM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/11/2020 5:40:00 PM	Diesel Range Organics	n/a	DNQ	0.054	mg/L	EPA 8015D	0.032	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/11/2020 5:40:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Aluminum	Dissolved	DNQ	3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Aluminum	Total	=	51	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Antimony	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Antimony	Total	DNQ	0.072	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Arsenic	Dissolved	=	0.41	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Arsenic	Total	=	0.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Barium	Total	=	54	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Chromium	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Chromium	Total	DNQ	0.19	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/4/2020 12:27:00 PM	Chromium VI	n/a	=	0.068	µg/L	EPA 218.6	0.0079	0.02	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Copper	Dissolved	DNQ	0.45	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Copper	Total	=	0.68	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:06:00 PM	Iron	Dissolved	=	31	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:09:00 PM	Iron	Total	=	140	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Lead	Total	DNQ	0.076	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 3:25:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 3:27:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Nickel	Dissolved	DNQ	0.57	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Nickel	Total	DNQ	0.67	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Selenium	Dissolved	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Thallium	Dissolved	DNQ	0.017	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:15:00 PM	Zinc	Dissolved	DNQ	1.5	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 1:42:00 PM	Zinc	Total	DNQ	2.6	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/5/2020 4:16:00 PM	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/5/2020 5:52:00 PM	Nitrate + Nitrite as N	n/a	=	0.5	mg/L	EPA 353.2	0.036	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:06:00 PM	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/6/2020 9:09:00 PM	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/11/2020 3:30:00 PM	TKN	n/a	=	0.14	mg/L	EPA 351.2	0.018	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.027	µg/L	EPA 8270C	0.027	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	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	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.4	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/8/2020 5:09:00 AM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	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	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	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	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/7/2020 6:54:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Mevinphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/13/2020 9:46:00 PM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/9/2020 12:08:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/15/2020 10:03:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/12/2020 3:30:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 5:12:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
ME-VR2	2019/20-5	Dry	5/1/2020 9:20:00 AM	5/14/2020 9:00:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/5/2019 12:23:00 AM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/5/2019 12:23:00 AM	Fluoride	n/a	DNQ	0.084	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/5/2019 11:26:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/5/2019 12:23:00 AM	Sulfate	Total	=	11	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	172000	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Calcium	Total	=	9.45	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Magnesium	Total	=	2.66	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Potassium	Total	=	3.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Sodium	Total	=	7.4	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/3/2019 3:21:00 PM	Alkalinity as CaCO3	n/a	=	34	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/3/2019 11:30:00 AM	BOD	n/a	=	19	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 11:01:00 AM	COD	n/a	=	120	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/27/2019 6:30:00 AM	Conductivity	n/a	=	56.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/3/2019 5:41:00 PM	Cyanide	Total	=	0.0034	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.4	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	13	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/27/2019 6:30:00 AM	DO	n/a	=	7.12	mg/L	Field Meter	-88	0.3	Field Crew	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/27/2019 6:30:00 AM	DO	n/a	=	66	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Hardness as CaCO3	Total	=	34.5	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.33	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/27/2019 6:30:00 AM	pH	n/a	=	6.55	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/3/2019 5:33:00 PM	Phenolics	n/a	=	0.021	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/27/2019 6:30:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/27/2019 6:30:00 AM	Specific Conductance	n/a	=	74.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 12:06:00 PM	Specific Conductance	n/a	=	140	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/27/2019 6:30:00 AM	Temperature	n/a	=	11.5	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	81	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	17	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/2/2019 7:18:00 PM	Total Suspended Solids	n/a	=	440	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/28/2019 11:15:00 AM	Turbidity	n/a	=	170	NTU	EPA 180.1	0.085	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/2/2019 7:18:00 PM	Volatile Suspended Solids	n/a	=	110	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/31/2019 12:41:00 AM	Diesel Range Organics	n/a	=	0.76	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/8/2019 11:02:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/14/2019 2:11:00 PM	Oil and Grease	n/a	DNQ	1.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/31/2019 12:41:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/22/2020 2:39:00 PM	Aluminum	Dissolved	=	21	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/22/2020 3:46:00 PM	Aluminum	Total	=	2200	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/22/2020 2:39:00 PM	Antimony	Dissolved	=	0.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/22/2020 3:46:00 PM	Antimony	Total	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Arsenic	Dissolved	=	0.97	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Barium	Total	=	39	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/22/2020 2:39:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/22/2020 3:46:00 PM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/22/2020 2:39:00 PM	Cadmium	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/22/2020 3:46:00 PM	Cadmium	Total	=	0.32	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Chromium	Dissolved	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Chromium	Total	=	4.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/3/2019 6:36:00 PM	Chromium VI	n/a	<	0.04	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Copper	Dissolved	=	6.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Copper	Total	=	25	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Iron	Dissolved	=	43	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Iron	Total	=	2900	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Lead	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Lead	Total	=	6.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/17/2019 5:14:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/17/2019 5:16:00 PM	Mercury	Total	DNQ	36	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Nickel	Total	=	6.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Selenium	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Selenium	Total	DNQ	0.26	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Thallium	Total	DNQ	0.03	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-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:57:00 AM	Zinc	Dissolved	=	43	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 5:45:00 AM	Zinc	Total	=	140	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 4:28:00 PM	Ammonia as N	n/a	=	0.54	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/3/2019 1:26:00 PM	Nitrate + Nitrite as N	n/a	=	0.4	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Phosphorus as P	Dissolved	=	0.34	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/9/2020 2:23:00 PM	Phosphorus as P	Total	=	0.58	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/10/2019 5:01:00 PM	TKN	n/a	=	3.2	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	1,2,4-Trichlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	1,2-Dichlorobenzene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	1,2-Diphenylhydrazine	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	1,3-Dichlorobenzene	n/a	<	4.2	µg/L	EPA 625.1	4.2	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	1,4-Dichlorobenzene	n/a	<	4.8	µg/L	EPA 625.1	4.8	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2,4-Dinitrophenol	n/a	<	19	µg/L	EPA 625.1	19	100	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/28/2019 12:13:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625.1	4.5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	3,3'-Dichlorobenzidine	n/a	<	9.9	µg/L	EPA 625.1	9.9	50	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	14	µg/L	EPA 625.1	14	50	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625.1	2.3	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625.1	4.1	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	4-Nitrophenol	n/a	<	12	µg/L	EPA 625.1	12	50	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Acenaphthylene	n/a	<	1.7	µg/L	EPA 625.1	1.7	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Anthracene	n/a	<	1.2	µg/L	EPA 625.1	1.2	10	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Benzo(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Benzo(a)anthracene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Benzidine	n/a	<	14	µg/L	EPA 625.1	14	100	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Benzo(a)pyrene	n/a	<	3.9	µg/L	EPA 625.1	3.9	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Benzo(b)fluoranthene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Benzo(g,h,i)perylene	n/a	<	4.2	µg/L	EPA 625.1	4.2	20	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625.1	23	50	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Dibenz(a,h)anthracene	n/a	<	5.3	µg/L	EPA 625.1	5.3	20	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625.1	1.5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Di-n-butylphthalate	n/a	<	1	µg/L	EPA 625.1	1	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Di-n-octylphthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Fluoranthene	n/a	<	0.8	µg/L	EPA 625.1	0.8	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625.1	3.5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625.1	4.7	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Hexachlorocyclopentadiene	n/a	<	9.8	µg/L	EPA 625.1	9.8	50	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Hexachloroethane	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	5.5	µg/L	EPA 625.1	5.5	20	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	11/28/2019 12:13:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	N-Nitrosodimethylamine	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625.1	3.2	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625.1	1.6	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 4:34:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	4,4'-DDE	n/a	DNQ	0.035	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	Bentazon	n/a	DNQ	0.5	µg/L	EPA 515.4	0.23	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	DCPA (Dacthal)	n/a	=	0.23	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	Dicamba	n/a	DNQ	0.085	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Dichlorvos	n/a	=	0.05	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 2:08:00 AM	Glyphosate	n/a	=	8.9	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Malathion	n/a	=	0.39	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/31/2019 11:35:00 AM	Naled	n/a	DNQ	0.04	µg/L	EPA 525.2m	0.038	0.05	WKL	HB-LCSR
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	Pentachlorophenol	n/a	DNQ	0.086	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/9/2019 11:04:00 PM	Pentachlorophenol	n/a	<	4	µg/L	EPA 625.1	4	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	1/10/2020 3:32:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/13/2019 3:45:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Ronnel (Fenclorophos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/20/2019 10:36:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/4/2019 9:52:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-CAM	2019/20-1	Wet	11/27/2019 6:30:00 AM	12/12/2019 9:54:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	5172	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	57940	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/16/2020 8:55:00 PM	Conductivity	n/a	=	55.4	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/23/2020 4:00:00 PM	Cyanide	Total	DNQ	0.0004	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/16/2020 8:55:00 PM	DO	n/a	=	8.36	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/16/2020 8:55:00 PM	DO	n/a	=	79.3	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/16/2020 8:55:00 PM	pH	n/a	=	6.6	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/16/2020 8:55:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/16/2020 8:55:00 PM	Specific Conductance	n/a	=	73.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/16/2020 8:55:00 PM	Temperature	n/a	=	12	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/20/2020 12:02:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/17/2020 8:03:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 8:55:00 PM	1/17/2020 8:03:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 5:06:00 PM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 5:06:00 PM	Fluoride	n/a	DNQ	0.063	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/21/2020 9:19:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 5:06:00 PM	Sulfate	Total	=	12	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/29/2020 5:17:00 PM	Calcium	Total	=	10.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/29/2020 5:17:00 PM	Magnesium	Total	=	2.22	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/29/2020 5:17:00 PM	Potassium	Total	=	3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/29/2020 5:17:00 PM	Sodium	Total	=	7.2	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/22/2020 11:46:00 AM	Alkalinity as CaCO3	n/a	=	20	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/22/2020 4:33:00 PM	BOD	n/a	=	17	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/22/2020 11:06:00 AM	COD	n/a	=	100	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.1	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	18	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/29/2020 5:17:00 PM	Hardness as CaCO3	Total	=	34.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/17/2020 9:29:00 PM	MBAS	n/a	=	0.26	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/21/2020 5:27:00 PM	Phenolics	n/a	=	0.023	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/21/2020 11:47:00 AM	Specific Conductance	n/a	=	110	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	150	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	22	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	200	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/17/2020 6:20:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.017	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	39	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 1:53:00 AM	Diesel Range Organics	n/a	=	0.9	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 1:53:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Aluminum	Dissolved	=	24	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Aluminum	Total	=	1900	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Antimony	Dissolved	=	0.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Arsenic	Dissolved	=	0.74	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Barium	Total	=	41	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Beryllium	Total	DNQ	0.088	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Cadmium	Dissolved	DNQ	0.077	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Cadmium	Total	=	0.23	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Chromium	Dissolved	=	0.48	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Chromium	Total	=	4.5	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-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 12:55:00 PM	Chromium VI	n/a	=	0.28	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Copper	Dissolved	=	9.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Copper	Total	=	26	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/29/2020 5:14:00 PM	Iron	Dissolved	=	44	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/29/2020 5:17:00 PM	Iron	Total	=	2900	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Lead	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Lead	Total	=	5.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/21/2020 4:53:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/21/2020 4:55:00 PM	Mercury	Total	DNQ	25	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Nickel	Dissolved	=	2.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Nickel	Total	=	5.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Selenium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Selenium	Total	DNQ	0.28	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Silver	Total	DNQ	0.074	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Thallium	Total	DNQ	0.038	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 6:58:00 PM	Zinc	Dissolved	=	63	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/4/2020 8:41:00 PM	Zinc	Total	=	150	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 4:44:00 PM	Ammonia as N	n/a	=	0.61	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 12:40:00 PM	Nitrate + Nitrite as N	n/a	=	0.6	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/31/2020 9:22:00 PM	Phosphorus as P	Dissolved	=	0.17	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/5/2020 9:22:00 PM	Phosphorus as P	Total	=	0.46	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 5:43:00 PM	TKN	n/a	=	2.5	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	LB-LCSR
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Benidine	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Butyl benzyl phthalate	n/a	DNQ	4.2	µg/L	EPA 625.1	0.9	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Di-n-butylphthalate	n/a	DNQ	1.5	µg/L	EPA 625.1	0.5	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/30/2020 9:24:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	2,4-DB	n/a	<	3.5	µg/L	EPA 515.4	3.5	3.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	Bentazon	n/a	DNQ	1.6	µg/L	EPA 515.4	0.23	2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	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	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	DCEPA (Dacthal)	n/a	DNQ	0.055	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Dichlorvos	n/a	=	0.067	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Disulfoton	n/a	DNQ	0.42	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Fensulfothion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/20/2020 2:12:00 PM	Glyphosate	n/a	=	24	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Malathion	n/a	=	0.066	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Mevinphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Naled	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/6/2020 6:09:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/1/2020 1:13:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	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-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/25/2020 7:43:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	2/18/2020 11:34:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/28/2020 3:25:00 AM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-CAM	2019/20-2	Wet	1/16/2020 9:44:00 PM	1/23/2020 9:24:00 PM	Triithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/7/2020 4:10:00 PM	Chloride	n/a	=	6.6	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/7/2020 4:10:00 PM	Fluoride	n/a	DNQ	0.035	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/8/2020 6:42:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/7/2020 4:10:00 PM	Sulfate	Total	=	4.8	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 4:19:00 PM	Calcium	Total	=	6.41	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 4:19:00 PM	Magnesium	Total	=	1.13	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 4:19:00 PM	Potassium	Total	=	2.1	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 4:19:00 PM	Sodium	Total	=	4.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020 12:18:00 PM	Alkalinity as CaCO3	n/a	=	16	mg/L	SM 2320 B	0.56	5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 7:35:00 AM	BOD	n/a	=	9.5	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020 11:49:00 AM	COD	n/a	=	48	mg/L	EPA 410.4	2.9	5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/27/2020 11:28:00 AM	Dissolved Inorganic Carbon	Dissolved	=	4.5	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/16/2020 12:04:00 PM	Dissolved Organic Carbon	Dissolved	=	9.7	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 4:19:00 PM	Hardness as CaCO3	Total	=	20.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/7/2020 7:06:00 PM	MBAS	n/a	=	0.14	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 3:58:00 PM	Phenolics	n/a	DNQ	0.0094	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 1:26:00 PM	Specific Conductance	n/a	=	71	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/8/2020 6:44:00 PM	Total Dissolved Solids	n/a	=	48	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/20/2020 10:32:00 AM	Total Organic Carbon	n/a	=	9	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/8/2020 10:45:00 AM	Total Suspended Solids	n/a	=	73	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/7/2020 4:52:00 PM	Turbidity	n/a	=	14	NTU	EPA 180.1	0.017	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/8/2020 10:45:00 AM	Volatile Suspended Solids	n/a	=	21	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/8/2020 11:00:00 PM	Diesel Range Organics	n/a	=	0.38	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/8/2020 11:00:00 PM	Oil Range Organics	n/a	DNQ	0.37	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Aluminum	Dissolved	=	22	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Aluminum	Total	=	650	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Antimony	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Antimony	Total	DNQ	0.37	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Arsenic	Dissolved	=	0.53	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Arsenic	Total	=	0.86	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Barium	Total	=	13	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Chromium	Dissolved	=	0.27	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-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Chromium	Total	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/8/2020 6:46:00 PM	Chromium VI	n/a	=	0.12	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Copper	Dissolved	=	4.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Copper	Total	=	9.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 3:35:00 PM	Iron	Dissolved	=	28	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 4:19:00 PM	Iron	Total	=	1000	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Lead	Dissolved	DNQ	0.082	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Lead	Total	=	1.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 1:35:00 PM	Mercury	Dissolved	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 1:37:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Nickel	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Nickel	Total	=	2.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Selenium	Total	DNQ	0.15	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 12:43:00 PM	Zinc	Dissolved	=	23	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/12/2020 1:47:00 PM	Zinc	Total	=	56	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 3:11:00 PM	Ammonia as N	n/a	=	0.2	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/7/2020 5:13:00 PM	Nitrate + Nitrite as N	n/a	=	0.36	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 3:35:00 PM	Phosphorus as P	Dissolved	=	0.11	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/13/2020 4:19:00 PM	Phosphorus as P	Total	=	0.26	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 1:44:00 PM	TKN	n/a	=	0.97	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Benzenzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Benzo(a)pyrene	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.21	µg/L	EPA 525.2	0.21	10	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.1	µg/L	EPA 525.2	2.1	6	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Butyl benzyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Di-n-butylphthalate	n/a	DNQ	0.44	µg/L	EPA 625.1	0.2	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/9/2020 8:13:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608.3	0.05	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608.3	0.003	0.05	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608.3	0.0025	0.05	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608.3	0.0031	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Alachlor	n/a	<	0.044	µg/L	EPA 525.2	0.044	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Aldrin	n/a	<	0.0015	µg/L	EPA 608.3	0.0015	0.005	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608.3	0.0018	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608.3	0.0041	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Atrazine	n/a	<	0.068	µg/L	EPA 525.2	0.068	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608.3	0.0031	0.005	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Bromacil	n/a	<	0.076	µg/L	EPA 525.2	0.076	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Butachlor	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Captan	n/a	<	1.7	µg/L	EPA 525.2	1.7	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608.3	0.08	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	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Chloroprotham	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Cyanazine	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608.3	0.0025	0.005	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Diazinon	n/a	<	0.19	µg/L	EPA 525.2	0.19	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Diazinon	n/a	DNQ	0.0076	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Dichlorvos	n/a	DNQ	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608.3	0.0021	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Dimethoate	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Diphenamid	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Disulfoton	n/a	<	0.062	µg/L	EPA 525.2	0.062	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.02	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608.3	0.008	0.05	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Endrin	n/a	<	0.0028	µg/L	EPA 608.3	0.0028	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608.3	0.003	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	EPTC	n/a	<	0.034	µg/L	EPA 525.2	0.034	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608.3	0.0021	0.02	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608.3	0.0044	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 7:24:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608.3	0.0017	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608.3	0.0019	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Malathion	n/a	=	0.18	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608.3	0.0054	0.02	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Metolachlor	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Metribuzin	n/a	<	0.03	µg/L	EPA 525.2	0.03	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Molinate	n/a	<	0.078	µg/L	EPA 525.2	0.078	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	Pentachlorophenol	n/a	=	0.35	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/14/2020	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 4:33:00 PM	Pentachlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 12:02:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Prometon	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Prometryn	n/a	<	0.072	µg/L	EPA 525.2	0.072	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Simazine	n/a	<	0.03	µg/L	EPA 525.2	0.03	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Terbacil	n/a	<	1.1	µg/L	EPA 525.2	1.1	4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Thiobencarb	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.4	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/15/2020 7:48:00 PM	Toxaphene	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.5	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/21/2020 8:53:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:35:00 AM	4/10/2020 6:47:00 PM	Trithion	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	DG
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/6/2020 7:45:00 AM	Conductivity	n/a	=	57	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/16/2020 4:40:00 PM	Cyanide	Total	DNQ	0.0009	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/6/2020 7:45:00 AM	DO	n/a	=	61.5	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/6/2020 7:45:00 AM	DO	n/a	=	6.24	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/6/2020 7:45:00 AM	pH	n/a	=	7.52	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/6/2020 7:45:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/6/2020 7:45:00 AM	Specific Conductance	n/a	=	71.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/6/2020 7:45:00 AM	Temperature	n/a	=	14	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2019/20-4	Wet	4/6/2020 7:45:00 AM	4/13/2020 9:23:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/14/2020 9:33:00 AM	Chloride	n/a	=	250	mg/L	EPA 300.0	0.42	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/14/2020 2:05:00 AM	Fluoride	n/a	=	0.78	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/14/2020 12:34:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/14/2020 9:33:00 AM	Sulfate	Total	=	420	mg/L	EPA 300.0	1.2	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/13/2020 7:00:00 AM	E. Coli	n/a	=	3255	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/13/2020 7:00:00 AM	Total Coliform	n/a	=	46110	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:07:00 PM	Calcium	Total	=	144	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:07:00 PM	Magnesium	Total	=	18.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:07:00 PM	Potassium	Total	=	26	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:07:00 PM	Sodium	Total	=	200	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:46:00 AM	Alkalinity as CaCO3	n/a	=	140	mg/L	SM 2320 B	0.56	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/18/2020 4:55:00 PM	BOD	n/a	=	8.9	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 12:43:00 PM	COD	n/a	=	95	mg/L	EPA 410.4	2.9	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/12/2020 11:20:00 AM	Conductivity	n/a	=	1458	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 4:10:00 PM	Cyanide	Total	=	0.0069	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	27	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/27/2020 11:41:00 AM	Dissolved Organic Carbon	Dissolved	=	32	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/12/2020 11:20:00 AM	DO	n/a	=	19.32	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/12/2020 11:20:00 AM	DO	n/a	=	232.5	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:07:00 PM	Hardness as CaCO3	Total	=	436	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/13/2020 3:24:00 PM	MBAS	n/a	=	0.18	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/12/2020 11:20:00 AM	pH	n/a	=	10.06	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/27/2020 1:00:00 PM	Phenolics	n/a	=	0.011	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/12/2020 11:20:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/13/2020 12:54:00 PM	Specific Conductance	n/a	=	2000	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/12/2020 11:20:00 AM	Specific Conductance	n/a	=	1451	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-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/12/2020 11:20:00 AM	Temperature	n/a	=	25	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/14/2020 6:00:00 PM	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/28/2020 1:20:00 PM	Total Organic Carbon	n/a	=	28	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/16/2020 11:55:00 AM	Total Suspended Solids	n/a	=	9	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/13/2020 5:28:00 PM	Turbidity	n/a	=	2.7	NTU	EPA 180.1	0.017	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/16/2020 11:55:00 AM	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 8:44:00 PM	Diesel Range Organics	n/a	=	0.45	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/17/2020 10:24:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 10:52:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 8:44:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Aluminum	Dissolved	=	7.7	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Aluminum	Total	=	21	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Antimony	Dissolved	=	0.85	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Antimony	Total	=	0.85	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Arsenic	Dissolved	=	2.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Arsenic	Total	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Barium	Total	=	72	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Cadmium	Total	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Chromium	Dissolved	=	0.52	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Chromium	Total	=	0.52	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/13/2020 1:25:00 PM	Chromium VI	n/a	=	0.38	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Copper	Dissolved	=	18	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Copper	Total	=	18	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:04:00 PM	Iron	Dissolved	=	16	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:07:00 PM	Iron	Total	=	54	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Lead	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Lead	Total	DNQ	0.13	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 1:21:00 PM	Mercury	Dissolved	DNQ	22	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 1:23:00 PM	Mercury	Total	DNQ	27	ng/L	EPA 245.1	17	50	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Nickel	Dissolved	=	4.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Nickel	Total	=	4.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Selenium	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Selenium	Total	DNQ	0.26	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:14:00 PM	Zinc	Dissolved	DNQ	4.6	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 6:43:00 PM	Zinc	Total	=	5.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/14/2020 5:22:00 PM	Ammonia as N	n/a	DNQ	0.028	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/13/2020 1:15:00 PM	Nitrate + Nitrite as N	n/a	DNQ	0.06	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:04:00 PM	Phosphorus as P	Dissolved	=	0.35	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 6:07:00 PM	Phosphorus as P	Total	=	0.4	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/15/2020 5:08:00 PM	TKN	n/a	=	2.5	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	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	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	1-Methylnaphthalene	n/a	<	0.048	µg/L	EPA 8270C	0.048	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	LB-LCSR
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	LB-LCSR
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	LB-LCSR
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	2-Methylnaphthalene	n/a	<	0.052	µg/L	EPA 8270C	0.052	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	LB-LCSR
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Acenaphthene	n/a	<	0.056	µg/L	EPA 8270C	0.056	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Acenaphthylene	n/a	<	0.066	µg/L	EPA 8270C	0.066	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Anthracene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Benzenzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Benzo(b)fluoranthene	n/a	<	0.054	µg/L	EPA 8270C	0.054	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Benzo(k)fluoranthene	n/a	<	0.052	µg/L	EPA 8270C	0.052	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	LB-LCSR
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.88	µg/L	EPA 625.1	0.36	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Chrysene	n/a	<	0.064	µg/L	EPA 8270C	0.064	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Dibenz(a,h)anthracene	n/a	<	0.19	µg/L	EPA 8270C	0.19	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Di-n-butylphthalate	n/a	DNQ	0.41	µg/L	EPA 625.1	0.2	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Fluoranthene	n/a	<	0.078	µg/L	EPA 8270C	0.078	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	LB-LCSR
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Fluorene	n/a	<	0.058	µg/L	EPA 8270C	0.058	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.13	µg/L	EPA 8270C	0.13	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Naphthalene	n/a	<	0.052	µg/L	EPA 8270C	0.052	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Phenanthrene	n/a	<	0.058	µg/L	EPA 8270C	0.058	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 7:59:00 PM	Pyrene	n/a	<	0.08	µg/L	EPA 8270C	0.08	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	2,4,5-T	n/a	<	0.3	µg/L	EPA 515.4	0.3	0.3	WKL	DF
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:07:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	Dalapon	n/a	DNQ	0.18	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	DCPA (Dacthal)	n/a	=	2	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:07:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Diazinon	n/a	DNQ	0.0057	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	Dicamba	n/a	DNQ	0.21	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/19/2020 7:20:00 PM	Glyphosate	n/a	=	70	µg/L	EPA 547	9	25	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	Pentachlorophenol	n/a	DNQ	0.19	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/29/2020 6:02:00 AM	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/22/2020 5:40:00 AM	Pentachlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/23/2020 6:31:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Ronnel (Fenclorophos)	n/a	DNQ	0.0063	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/2/2020 10:34:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	6/12/2020 10:23:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2019/20-5	Dry	5/12/2020 11:20:00 AM	5/21/2020 10:07:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/12/2020 7:00:00 AM	E. Coli	n/a	=	9208	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/12/2020 7:00:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/20/2020 5:03:00 PM	Calcium	Total	=	83.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/20/2020 5:03:00 PM	Magnesium	Total	=	26.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	Conductivity	n/a	=	796	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	Discharge	n/a	<	0.1	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	DO	n/a	=	117.2	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	DO	n/a	=	10.89	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/20/2020 5:03:00 PM	Hardness as CaCO3	Total	=	320	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	pH	n/a	=	8.4	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	Specific Conductance	n/a	=	901	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	Temperature	n/a	=	18.9	°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-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	6.1	mg/L	SM 5310 B	0.096	0.3	WKL	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/11/2020 8:00:00 AM	Turbidity	n/a	=	8.45	NTU	Field Meter	-88	0.01	Field Crew	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/20/2020 4:10:00 PM	Copper	Dissolved	=	3.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/20/2020 4:10:00 PM	Lead	Dissolved	DNQ	0.049	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-CAM	2020-DRY	Dry	8/11/2020 8:00:00 AM	8/20/2020 4:10:00 PM	Zinc	Dissolved	DNQ	2.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	9804	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	165800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	Conductivity	n/a	=	94.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/3/2019 6:21:00 PM	Cyanide	Total	=	0.0051	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	DO	n/a	=	10.25	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	DO	n/a	=	95.1	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	pH	n/a	=	7.74	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	Specific Conductance	n/a	=	128.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	Temperature	n/a	=	10.7	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/9/2019 2:13:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/14/2019 2:27:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 2:55:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 2:55:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/5/2019 1:35:00 AM	Chloride	n/a	=	15	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/5/2019 1:35:00 AM	Fluoride	n/a	=	0.11	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/6/2019 1:13:00 AM	Perchlorate	n/a	=	9.3	µg/L	EPA 314.0	0.84	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/5/2019 1:35:00 AM	Sulfate	Total	=	58	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Calcium	Total	=	28.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Magnesium	Total	=	6.08	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Potassium	Total	=	6.6	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Sodium	Total	=	12	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/5/2019 11:28:00 AM	Alkalinity as CaCO3	n/a	=	51	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/3/2019 11:48:00 AM	BOD	n/a	=	17	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/6/2019 1:01:00 PM	COD	n/a	=	97	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9.3	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	15	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Hardness as CaCO3	Total	=	96.6	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.38	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 5:44:00 PM	Phenolics	n/a	=	0.017	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 12:11:00 PM	Specific Conductance	n/a	=	280	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	180	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	18	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 1:18:00 PM	Total Suspended Solids	n/a	=	200	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	11/28/2019 12:03:00 PM	Turbidity	n/a	=	95	NTU	EPA 180.1	0.085	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 1:18:00 PM	Volatile Suspended Solids	n/a	=	53	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/31/2019 2:27:00 AM	Diesel Range Organics	n/a	=	0.53	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/31/2019 2:27:00 AM	Oil Range Organics	n/a	DNQ	0.43	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/22/2020 2:55:00 PM	Aluminum	Dissolved	=	23	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/22/2020 4:03:00 PM	Aluminum	Total	=	2200	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/22/2020 2:55:00 PM	Antimony	Dissolved	=	0.54	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/22/2020 4:03:00 PM	Antimony	Total	=	0.95	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Arsenic	Dissolved	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Arsenic	Total	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Barium	Total	=	67	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/22/2020 2:55:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/22/2020 4:03:00 PM	Beryllium	Total	DNQ	0.09	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/22/2020 2:55:00 PM	Cadmium	Dissolved	=	0.25	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/22/2020 4:03:00 PM	Cadmium	Total	=	1.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Chromium	Total	=	7.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/3/2019 8:45:00 PM	Chromium VI	n/a	=	0.74	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Copper	Dissolved	=	23	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Copper	Total	=	210	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Iron	Dissolved	=	55	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Iron	Total	=	3600	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Lead	Total	=	6.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/24/2019 11:23:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/24/2019 11:25:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Nickel	Dissolved	=	3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Nickel	Total	=	14	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Selenium	Dissolved	=	0.75	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Selenium	Total	=	1.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Silver	Total	DNQ	0.09	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Thallium	Total	DNQ	0.07	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 4:26:00 AM	Zinc	Dissolved	=	50	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 6:14:00 AM	Zinc	Total	=	190	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 4:47:00 PM	Ammonia as N	n/a	=	0.45	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 12:50:00 PM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Phosphorus as P	Dissolved	=	0.32	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/9/2020 3:04:00 PM	Phosphorus as P	Total	=	0.72	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 5:26:00 PM	TKN	n/a	=	2.5	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Benzidine	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	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	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 PM	Di-n-butylphthalate	n/a	<	0.5	µg/L	EPA 625.1	0.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/20/2019 6:52:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	2,4-D	n/a	<	0.7	µg/L	EPA 515.4	0.7	0.7	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	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	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Dichlorvos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Fensulfothion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 2:57:00 AM	Glyphosate	n/a	=	31	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Malathion	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	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	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Mevinphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Naled	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	1/10/2020 5:30:00 AM	Pentachlorophenol	n/a	DNQ	2.1	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	Pentachlorophenol	n/a	DNQ	0.15	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/10/2019 1:05:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	0.006	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/13/2019 6:09:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Stirophos (Tetrachlorvinphos)	n/a	=	0.024	µg/L	EPA 525.2m	0.0062	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/21/2019 12:38:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/4/2019 11:46:00 PM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-FIL	2019/20-1	Wet	11/27/2019 12:50:00 PM	12/12/2019 1:14:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	9208	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/16/2020 9:05:00 PM	Conductivity	n/a	=	160.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/29/2020 6:30:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/16/2020 9:05:00 PM	DO	n/a	=	92	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/16/2020 9:05:00 PM	DO	n/a	=	9.78	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/16/2020 9:05:00 PM	pH	n/a	=	8.54	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/16/2020 9:05:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/16/2020 9:05:00 PM	Specific Conductance	n/a	=	210.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/16/2020 9:05:00 PM	Temperature	n/a	=	12.1	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/20/2020 3:38:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	DNQ	1.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/17/2020 10:47:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-FIL	2019/20-2	Wet	1/16/2020 9:05:00 PM	1/17/2020 10:47:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 6:36:00 PM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 6:36:00 PM	Fluoride	n/a	=	0.1	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 11:35:00 PM	Perchlorate	n/a	=	2.7	µg/L	EPA 314.0	0.84	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 6:36:00 PM	Sulfate	Total	=	60	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/29/2020 6:04:00 PM	Calcium	Total	=	28.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/29/2020 6:04:00 PM	Magnesium	Total	=	4.76	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/29/2020 6:04:00 PM	Potassium	Total	=	5.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/29/2020 6:04:00 PM	Sodium	Total	=	11	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/22/2020 12:26:00 PM	Alkalinity as CaCO3	n/a	=	40	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/22/2020 4:58:00 PM	BOD	n/a	=	7.8	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/22/2020 11:07:00 AM	COD	n/a	=	41	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9.7	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/22/2020 12:36:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9.9	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/29/2020 6:04:00 PM	Hardness as CaCO3	Total	=	90.4	mg/L	EPA 200.7	0.0894	0.662	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.23	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/22/2020 4:51:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/21/2020 11:57:00 AM	Specific Conductance	n/a	=	260	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	290	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	58	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/17/2020 6:31:00 PM	Turbidity	n/a	=	31	NTU	EPA 180.1	0.017	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	12	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 4:47:00 AM	Diesel Range Organics	n/a	=	0.48	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 4:47:00 AM	Oil Range Organics	n/a	<	0.66	mg/L	EPA 8015D	0.66	1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Aluminum	Total	=	820	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Antimony	Dissolved	DNQ	0.49	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Antimony	Total	=	0.68	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Arsenic	Dissolved	=	0.62	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Arsenic	Total	=	0.93	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Barium	Total	=	28	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Beryllium	Total	DNQ	0.035	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Cadmium	Dissolved	DNQ	0.072	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Cadmium	Total	=	0.23	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Chromium	Dissolved	=	3.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Chromium	Total	=	6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 1:54:00 PM	Chromium VI	n/a	=	3.5	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Copper	Dissolved	=	6.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/29/2020 6:01:00 PM	Iron	Dissolved	=	26	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/29/2020 6:04:00 PM	Iron	Total	=	1200	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Lead	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Lead	Total	=	2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/21/2020 5:23:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/21/2020 5:24:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Nickel	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Nickel	Total	=	3.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Selenium	Dissolved	=	0.75	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Selenium	Total	=	0.89	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Thallium	Total	DNQ	0.029	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 7:18:00 PM	Zinc	Dissolved	=	25	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/4/2020 8:58:00 PM	Zinc	Total	=	60	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/22/2020 2:34:00 PM	Ammonia as N	n/a	=	0.3	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 12:46:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/31/2020 5:54:00 PM	Phosphorus as P	Dissolved	=	0.16	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/5/2020 9:54:00 PM	Phosphorus as P	Total	=	0.27	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/29/2020 4:32:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	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	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	LB-LCSR
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.83	µg/L	EPA 8270C	0.28	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Benzo(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Benzo(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Benzenzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	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	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.67	µg/L	EPA 525.2	0.52	25	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.98	µg/L	EPA 625.1	0.36	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Di-n-butylphthalate	n/a	DNQ	0.52	µg/L	EPA 625.1	0.2	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/30/2020 12:17:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 10:05:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	Bentazon	n/a	DNQ	0.41	µg/L	EPA 515.4	0.23	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Dichlorvos	n/a	DNQ	0.007	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/20/2020 3:13:00 PM	Glyphosate	n/a	=	9.8	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Malathion	n/a	=	0.021	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/1/2020 3:40:00 AM	Pentachlorophenol	n/a	DNQ	0.8	µg/L	EPA 8270C	0.3	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	Pentachlorophenol	n/a	DNQ	0.082	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/6/2020 8:38:00 AM	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/25/2020 11:57:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0059	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	2/15/2020 12:31:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/28/2020 5:47:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2019/20-2	Wet	1/17/2020 10:05:00 AM	1/24/2020 7:10:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/11/2020 2:30:00 PM	E. Coli	n/a	=	147100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/11/2020 2:30:00 PM	Total Coliform	n/a	=	101700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/10/2020 10:00:00 AM	Conductivity	n/a	=	267	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/21/2020 12:28:00 PM	Cyanide	Total	=	0.0065	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/10/2020 10:00:00 AM	DO	n/a	=	8.01	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/10/2020 10:00:00 AM	DO	n/a	=	81.3	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/10/2020 10:00:00 AM	pH	n/a	=	7.67	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/10/2020 10:00:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/10/2020 10:00:00 AM	Specific Conductance	n/a	=	319.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/10/2020 10:00:00 AM	Temperature	n/a	=	16	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/17/2020 1:46:00 AM	Gasoline Range Organics	n/a	DNQ	0.07	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/20/2020 2:33:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/11/2020 10:04:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	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	2019/20-3	Wet	3/10/2020 10:00:00 AM	3/11/2020 10:04:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/13/2020 2:14:00 AM	Chloride	n/a	=	16	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/13/2020 2:14:00 AM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/12/2020 9:05:00 PM	Perchlorate	n/a	DNQ	4.4	µg/L	EPA 314.0	4.2	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/13/2020 2:14:00 AM	Sulfate	Total	=	66	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:16:00 PM	Calcium	Total	=	36.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:16:00 PM	Magnesium	Total	=	7.49	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:16:00 PM	Potassium	Total	=	6.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:16:00 PM	Sodium	Total	=	17	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/16/2020 8:30:00 AM	Alkalinity as CaCO3	n/a	=	76	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 5:00:00 PM	BOD	n/a	=	16	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 11:59:00 AM	COD	n/a	=	89	mg/L	EPA 410.4	2.9	5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/24/2020 2:40:00 PM	Dissolved Inorganic Carbon	Dissolved	=	15	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/31/2020 2:59:00 PM	Dissolved Organic Carbon	Dissolved	=	25	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:16:00 PM	Hardness as CaCO3	Total	=	122	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/12/2020 3:39:00 PM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 3:54:00 PM	Phenolics	n/a	DNQ	0.0076	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/13/2020 8:30:00 AM	Specific Conductance	n/a	=	330	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/13/2020 5:40:00 PM	Total Dissolved Solids	n/a	=	240	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/13/2020 4:28:00 PM	Total Organic Carbon	n/a	=	28	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/13/2020 6:35:00 PM	Total Suspended Solids	n/a	=	74	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/12/2020 12:53:00 PM	Turbidity	n/a	=	64	NTU	EPA 180.1	0.034	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/13/2020 4:41:00 PM	Volatile Suspended Solids	n/a	=	25	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 12:01:00 AM	Diesel Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 12:01:00 AM	Oil Range Organics	n/a	=	0.66	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Aluminum	Dissolved	=	24	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Aluminum	Total	=	1700	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Antimony	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Barium	Total	=	42	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Beryllium	Total	DNQ	0.062	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Cadmium	Dissolved	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Cadmium	Total	=	0.31	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Chromium	Dissolved	=	1.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Chromium	Total	=	6.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/12/2020 1:05:00 PM	Chromium VI	n/a	=	1	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Copper	Dissolved	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Copper	Total	=	26	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:13:00 PM	Iron	Dissolved	=	45	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:16:00 PM	Iron	Total	=	2000	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Lead	Total	=	3.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/16/2020 11:08:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/16/2020 11:09:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Nickel	Dissolved	=	3.6	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-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Nickel	Total	=	6.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Selenium	Dissolved	=	0.93	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Selenium	Total	=	1.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Thallium	Dissolved	DNQ	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Thallium	Total	DNQ	0.026	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 4:51:00 PM	Zinc	Dissolved	=	40	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 6:00:00 PM	Zinc	Total	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 4:37:00 PM	Ammonia as N	n/a	=	0.37	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/12/2020 11:41:00 AM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:13:00 PM	Phosphorus as P	Dissolved	=	0.25	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/20/2020 1:16:00 PM	Phosphorus as P	Total	=	0.46	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/16/2020 5:24:00 PM	TKN	n/a	=	2.3	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:24:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	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	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Benzdine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	1.8	µg/L	EPA 525.2	1	50	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.84	µg/L	EPA 625.1	0.36	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Diethyl phthalate	n/a	DNQ	0.36	µg/L	EPA 625.1	0.3	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Di-n-butylphthalate	n/a	DNQ	0.58	µg/L	EPA 625.1	0.2	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Fluoranthene	n/a	DNQ	0.25	µg/L	EPA 625.1	0.16	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 8:09:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	2,4-D	n/a	<	2.3	µg/L	EPA 515.4	2.3	2.3	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	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	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/12/2020 6:05:00 PM	Glyphosate	n/a	=	45	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	4/1/2020 4:06:00 AM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/18/2020 7:03:00 PM	Pentachlorophenol	n/a	DNQ	1.4	µg/L	EPA 625.1	0.8	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	Pentachlorophenol	n/a	=	0.46	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 3:00:00 AM	Pentachlorophenol	n/a	DNQ	1.2	µg/L	EPA 8270C	0.3	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/17/2020 9:58:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:38:00 AM	Toxaphene	n/a	<	5	µg/L	EPA 608.3	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-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/25/2020 12:04:00 AM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-FIL	2019/20-3	Wet	3/11/2020 8:30:00 AM	3/19/2020 7:54:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/29/2020 6:26:00 PM	Chloride	n/a	=	15	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/29/2020 6:26:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/29/2020 4:03:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/29/2020 6:26:00 PM	Sulfate	Total	=	85	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 2:01:00 PM	Calcium	Total	=	146	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 2:01:00 PM	Magnesium	Total	=	42.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 2:01:00 PM	Potassium	Total	=	5.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 2:01:00 PM	Sodium	Total	=	84	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/5/2020 12:33:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 11:27:00 AM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/5/2020 4:30:00 PM	COD	n/a	=	30	mg/L	EPA 410.4	2.9	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	51	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/1/2020 10:20:00 AM	Dissolved Organic Carbon	Dissolved	=	3.3	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 2:01:00 PM	Hardness as CaCO3	Total	=	541	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/29/2020 3:26:00 PM	MBAS	n/a	DNQ	0.031	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 8:57:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/1/2020 12:22:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 4:25:00 PM	Total Dissolved Solids	n/a	=	940	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 3:18:00 PM	Total Organic Carbon	n/a	=	3.2	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/1/2020 1:53:00 PM	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/29/2020 2:03:00 PM	Turbidity	n/a	=	0.55	NTU	EPA 180.1	0.017	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/1/2020 1:53:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/6/2020 8:57:00 PM	Diesel Range Organics	n/a	DNQ	0.049	mg/L	EPA 8015D	0.032	0.1	WKL	UL-MB
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/6/2020 8:57:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Aluminum	Dissolved	=	7	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Aluminum	Total	=	15	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Antimony	Dissolved	DNQ	0.36	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Antimony	Total	DNQ	0.29	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Arsenic	Dissolved	=	0.52	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Arsenic	Total	=	0.56	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Barium	Total	=	33	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Cadmium	Dissolved	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Chromium	Dissolved	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Chromium	Total	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/29/2020 2:33:00 PM	Chromium VI	n/a	=	0.28	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Copper	Total	=	4.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:11:00 PM	Iron	Dissolved	DNQ	6	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 2:01:00 PM	Iron	Total	=	18	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Lead	Total	DNQ	0.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/1/2020 1:16:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/1/2020 1:18:00 PM	Mercury	Total	DNQ	19	ng/L	EPA 245.1	17	50	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Nickel	Dissolved	DNQ	0.79	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Nickel	Total	DNQ	0.76	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Selenium	Dissolved	=	5.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Selenium	Total	=	5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Thallium	Dissolved	DNQ	0.019	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 12:35:00 PM	Zinc	Dissolved	=	6.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:21:00 PM	Zinc	Total	=	7.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 2:23:00 PM	Ammonia as N	n/a	DNQ	0.032	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/29/2020 4:23:00 PM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 1:11:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/4/2020 2:01:00 PM	Phosphorus as P	Total	=	0.14	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/6/2020 5:08:00 PM	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	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	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Benzo(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Benzo(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Benidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Benzo(b)fluoranthene	n/a	DNQ	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.43	µg/L	EPA 625.1	0.18	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Di-n-butylphthalate	n/a	DNQ	0.22	µg/L	EPA 625.1	0.1	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 2:49:00 AM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	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	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/1/2020 4:55:00 PM	Glyphosate	n/a	DNQ	11	µg/L	EPA 547	9	25	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Mevinphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/13/2020 7:47:00 PM	Pentachlorophenol	n/a	DNQ	0.77	µg/L	EPA 625.1	0.4	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	Pentachlorophenol	n/a	DNQ	0.11	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/8/2020 10:10:00 PM	Pentachlorophenol	n/a	DNQ	0.22	µg/L	EPA 8270C	0.15	1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/2/2020 4:20:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Ronnel (Fenclorophos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	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	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/11/2020 11:27:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	5/14/2020 2:07:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 8:50:00 AM	4/30/2020 10:18:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/29/2020 7:00:00 AM	E. Coli	n/a	=	122	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/29/2020 7:00:00 AM	Total Coliform	n/a	=	92080	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/28/2020 9:00:00 AM	Conductivity	n/a	=	1243	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	5/6/2020 3:27:00 PM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/28/2020 9:00:00 AM	DO	n/a	=	12.01	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/28/2020 9:00:00 AM	DO	n/a	=	130.1	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/28/2020 9:00:00 AM	pH	n/a	=	8.22	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/28/2020 9:00:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/28/2020 9:00:00 AM	Specific Conductance	n/a	=	1416	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/28/2020 9:00:00 AM	Temperature	n/a	=	18.6	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	5/3/2020 6:25:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-FIL	2019/20-5	Dry	4/28/2020 9:00:00 AM	4/29/2020 4:44:00 PM	Oil and Grease	n/a	DNQ	2.2	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/11/2020 8:30:00 AM	E. Coli	n/a	=	809	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/11/2020 8:30:00 AM	Total Coliform	n/a	=	8164	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/20/2020 5:11:00 PM	Calcium	Total	=	151	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/20/2020 5:11:00 PM	Magnesium	Total	=	52.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	Conductivity	n/a	=	1483	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	Discharge	n/a	=	0.2	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	DO	n/a	=	263.9	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	DO	n/a	=	19.22	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/20/2020 5:11:00 PM	Hardness as CaCO3	Total	=	591	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	pH	n/a	=	8.73	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	Specific Conductance	n/a	=	1415	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	Temperature	n/a	=	27.5	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	4.6	mg/L	SM 5310 B	0.096	0.3	WKL	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/10/2020 11:00:00 AM	Turbidity	n/a	=	1.11	NTU	Field Meter	-88	0.01	Field Crew	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/20/2020 4:12:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/20/2020 4:12:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2020-DRY	Dry	8/10/2020 11:00:00 AM	8/20/2020 4:12:00 PM	Zinc	Dissolved	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	195600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/27/2019 8:45:00 AM	Conductivity	n/a	=	3118	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 4:03:00 PM	Cyanide	Total	=	0.0088	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/27/2019 8:45:00 AM	DO	n/a	=	4.41	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/27/2019 8:45:00 AM	DO	n/a	=	52.3	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/27/2019 8:45:00 AM	pH	n/a	=	6.62	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/27/2019 8:45:00 AM	Salinity	n/a	=	2200	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/27/2019 8:45:00 AM	Specific Conductance	n/a	=	4052	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/27/2019 8:45:00 AM	Temperature	n/a	=	12.9	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/9/2019 3:08:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/14/2019 2:11:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/28/2019 3:41:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/28/2019 3:41:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 3:41:00 AM	Chloride	n/a	=	1400	mg/L	EPA 300.0	0.85	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	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 3:41:00 AM	Fluoride	n/a	DNQ	0.28	mg/L	EPA 300.0	0.09	1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/11/2019 4:15:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 3:41:00 AM	Sulfate	Total	=	490	mg/L	EPA 300.0	2.4	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Calcium	Total	=	137	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Magnesium	Total	=	137	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Potassium	Total	=	47	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Sodium	Total	=	820	mg/L	EPA 200.7	0.03	1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 12:06:00 PM	Alkalinity as CaCO3	n/a	=	170	mg/L	SM 2320 B	0.56	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/3/2019 12:12:00 PM	BOD	n/a	=	9.2	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/6/2019 1:03:00 PM	COD	n/a	=	55	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	39	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	12	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Hardness as CaCO3	Total	=	904	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 5:44:00 PM	Phenolics	n/a	=	0.016	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/11/2019 1:11:00 PM	Specific Conductance	n/a	=	8200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	3100	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 1:18:00 PM	Total Suspended Solids	n/a	=	68	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	11/28/2019 12:30:00 PM	Turbidity	n/a	=	35	NTU	EPA 180.1	0.017	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 1:18:00 PM	Volatile Suspended Solids	n/a	=	17	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 7:23:00 PM	Diesel Range Organics	n/a	=	0.35	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/9/2020 7:23:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Aluminum	Dissolved	=	5.2	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Antimony	Dissolved	=	0.52	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Antimony	Total	=	1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Arsenic	Dissolved	=	0.74	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Barium	Total	=	59	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Beryllium	Total	DNQ	0.056	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Cadmium	Dissolved	DNQ	0.052	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Chromium	Dissolved	DNQ	0.19	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Chromium	Total	=	2.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/3/2019 9:43:00 PM	Chromium VI	n/a	<	0.04	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Copper	Dissolved	=	1.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Copper	Total	=	8.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Iron	Dissolved	=	42	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Iron	Total	=	3300	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:48:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 7:25:00 PM	Lead	Total	=	2.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/24/2019 11:49:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/24/2019 11:51:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Nickel	Total	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Selenium	Dissolved	DNQ	0.18	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-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Selenium	Total	DNQ	0.28	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Silver	Total	DNQ	0.096	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Thallium	Dissolved	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Thallium	Total	DNQ	0.038	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:28:00 PM	Zinc	Dissolved	=	29	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/22/2020 6:32:00 PM	Zinc	Total	=	63	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 5:23:00 PM	Ammonia as N	n/a	=	1.1	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/16/2019 11:45:00 AM	Nitrate + Nitrite as N	n/a	=	0.44	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Phosphorus as P	Dissolved	=	0.16	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/17/2019 12:14:00 PM	Phosphorus as P	Total	=	0.64	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/3/2019 5:14:00 PM	TKN	n/a	=	2.2	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	EST-LCSRPD
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	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	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Benzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Butyl benzyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Dimethyl phthalate	n/a	=	2.2	µg/L	EPA 625.1	0.36	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Di-n-butylphthalate	n/a	<	0.2	µg/L	EPA 625.1	0.2	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	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-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/20/2019 11:11:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	Acifluorfen	n/a	DNQ	0.16	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	Bentazon	n/a	DNQ	0.64	µg/L	EPA 515.4	0.23	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	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-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Dichlorvos	n/a	DNQ	0.0088	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Fensulfothion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/4/2019 4:11:00 AM	Glyphosate	n/a	=	5.9	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Malathion	n/a	=	0.031	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Meviphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Naled	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	Pentachlorophenol	n/a	DNQ	0.11	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/10/2019 3:36:00 AM	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	1/10/2020 7:56:00 AM	Pentachlorophenol	n/a	DNQ	1	µg/L	EPA 8270C	0.3	2	WKL	HB-LCSR
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	0.006	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/13/2019 10:59:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/21/2019 3:11:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/5/2019 2:08:00 AM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-HUE	2019/20-1	Wet	11/27/2019 1:50:00 PM	12/12/2019 3:29:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	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	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	2909	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	43520	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/16/2020 10:55:00 PM	Conductivity	n/a	=	9230	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/29/2020 7:10:00 PM	Cyanide	Total	=	0.006	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/16/2020 10:55:00 PM	DO	n/a	=	52	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/16/2020 10:55:00 PM	DO	n/a	=	5.15	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/16/2020 10:55:00 PM	pH	n/a	=	7.49	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/16/2020 10:55:00 PM	Salinity	n/a	=	6700	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/16/2020 10:55:00 PM	Specific Conductance	n/a	=	11720	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/16/2020 10:55:00 PM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	EST
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/20/2020 4:32:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/18/2020 2:41:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-HUE	2019/20-2	Wet	1/16/2020 10:55:00 PM	1/18/2020 2:41:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/21/2020 11:17:00 AM	Chloride	n/a	=	2400	mg/L	EPA 300.0	3.4	20	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/20/2020 9:00:00 PM	Fluoride	n/a	DNQ	0.46	mg/L	EPA 300.0	0.09	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/21/2020 2:19:00 AM	Perchlorate	n/a	<	8.4	µg/L	EPA 314.0	8.4	20	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/20/2020 9:00:00 PM	Sulfate	Total	=	1000	mg/L	EPA 300.0	2.4	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 4:35:00 PM	Calcium	Total	=	213	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 4:35:00 PM	Magnesium	Total	=	269	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 4:35:00 PM	Potassium	Total	=	110	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 5:13:00 PM	Sodium	Total	=	2000	mg/L	EPA 200.7	0.3	10	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/22/2020 1:39:00 PM	Alkalinity as CaCO3	n/a	=	210	mg/L	SM 2320 B	0.56	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/22/2020 5:22:00 PM	BOD	n/a	=	7.3	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/22/2020 11:10:00 AM	COD	n/a	=	58	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	66	mg/L	SM 5310 B	0.5	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	12	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 4:35:00 PM	Hardness as CaCO3	Total	=	1640	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.2	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/22/2020 4:51:00 PM	Phenolics	n/a	DNQ	0.0068	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/27/2020 1:20:00 PM	Specific Conductance	n/a	=	18000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	10000	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/21/2020 4:26:00 PM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	38	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/17/2020 6:38:00 PM	Turbidity	n/a	=	30	NTU	EPA 180.1	0.017	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 7:06:00 AM	Diesel Range Organics	n/a	=	0.41	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 7:06:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	n/a	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Aluminum	Dissolved	DNQ	7.6	µg/L	EPA 200.8	6.5	25	WKL	UL-MB
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Aluminum	Total	=	110	µg/L	EPA 200.8	6.5	25	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Antimony	Dissolved	DNQ	0.57	µg/L	EPA 200.8	0.22	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Antimony	Total	DNQ	0.59	µg/L	EPA 200.8	0.22	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Arsenic	Dissolved	DNQ	1	µg/L	EPA 200.8	0.37	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Arsenic	Total	DNQ	1.8	µg/L	EPA 200.8	0.37	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Barium	Total	=	60	µg/L	EPA 200.8	0.36	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Beryllium	Dissolved	<	0.16	µg/L	EPA 200.8	0.16	0.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 9:57:00 PM	Beryllium	Total	<	0.33	µg/L	EPA 200.8	0.33	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Cadmium	Dissolved	<	0.2	µg/L	EPA 200.8	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-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Cadmium	Total	<	0.2	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Chromium	Dissolved	<	0.18	µg/L	EPA 200.8	0.18	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Chromium	Total	DNQ	0.51	µg/L	EPA 200.8	0.18	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/20/2020 3:17:00 PM	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Copper	Dissolved	DNQ	2	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Copper	Total	=	3.9	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 5:07:00 PM	Iron	Dissolved	=	18	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 4:35:00 PM	Iron	Total	=	1900	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Lead	Dissolved	DNQ	0.25	µg/L	EPA 200.8	0.16	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Lead	Total	DNQ	0.25	µg/L	EPA 200.8	0.16	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/22/2020 11:31:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/22/2020 11:33:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Nickel	Dissolved	DNQ	2.4	µg/L	EPA 200.8	0.22	4	WKL	UL-MB
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Nickel	Total	DNQ	2.4	µg/L	EPA 200.8	0.22	4	WKL	UL-MB
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Selenium	Dissolved	<	0.7	µg/L	EPA 200.8	0.7	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Selenium	Total	<	0.7	µg/L	EPA 200.8	0.7	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Silver	Dissolved	<	0.31	µg/L	EPA 200.8	0.31	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Silver	Total	<	0.31	µg/L	EPA 200.8	0.31	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Thallium	Dissolved	<	0.07	µg/L	EPA 200.8	0.07	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Thallium	Total	<	0.07	µg/L	EPA 200.8	0.07	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:48:00 PM	Zinc	Dissolved	DNQ	17	µg/L	EPA 200.8	4.7	25	WKL	UL-MB
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 10:52:00 PM	Zinc	Total	DNQ	20	µg/L	EPA 200.8	4.7	25	WKL	UL-MB
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/22/2020 2:49:00 PM	Ammonia as N	n/a	=	1.3	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/20/2020 12:55:00 PM	Nitrate + Nitrite as N	n/a	=	0.48	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 5:07:00 PM	Phosphorus as P	Dissolved	=	0.081	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/3/2020 4:35:00 PM	Phosphorus as P	Total	=	0.37	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/29/2020 4:39:00 PM	TKN	n/a	=	2.1	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	LB-LCSR
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 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-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.45	µg/L	EPA 8270C	0.14	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.5	µg/L	EPA 625.1	0.18	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Dimethyl phthalate	n/a	=	1.8	µg/L	EPA 625.1	0.18	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Di-n-butylphthalate	n/a	DNQ	0.24	µg/L	EPA 625.1	0.1	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 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-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/30/2020 3:09:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	Bentazon	n/a	DNQ	1.1	µg/L	EPA 515.4	0.23	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Dichlorvos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Fensulfthion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/20/2020 4:27:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Malathion	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Mevinphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Naled	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/6/2020 11:10:00 AM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/1/2020 6:08:00 AM	Pentachlorophenol	n/a	DNQ	0.17	µg/L	EPA 8270C	0.15	1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	0.006	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/25/2020 2:58:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0097	µg/L	EPA 525.2m	0.0062	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	2/15/2020 1:32:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/28/2020 11:22:00 AM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-HUE	2019/20-2	Wet	1/17/2020 8:35:00 AM	1/24/2020 1:55:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/6/2020 4:10:00 AM	Conductivity	n/a	=	2800	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/16/2020 3:00:00 PM	Cyanide	Total	DNQ	0.0011	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/6/2020 4:10:00 AM	DO	n/a	=	76.5	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/6/2020 4:10:00 AM	DO	n/a	=	7.47	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/6/2020 4:10:00 AM	pH	n/a	=	7.52	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/6/2020 4:10:00 AM	Salinity	n/a	=	1800	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/6/2020 4:10:00 AM	Specific Conductance	n/a	=	3422	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/6/2020 4:10:00 AM	Temperature	n/a	=	16.7	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2019/20-4	Wet	4/6/2020 4:10:00 AM	4/10/2020 3:39:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/7/2020 3:17:00 PM	Chloride	n/a	=	1600	mg/L	EPA 300.0	0.85	5	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/7/2020 3:17:00 PM	Fluoride	n/a	DNQ	0.38	mg/L	EPA 300.0	0.09	1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/8/2020 5:21:00 PM	Perchlorate	n/a	<	8.4	µg/L	EPA 314.0	8.4	20	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/7/2020 3:17:00 PM	Sulfate	Total	=	630	mg/L	EPA 300.0	2.4	5	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 4:16:00 PM	Calcium	Total	=	168	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 4:16:00 PM	Magnesium	Total	=	137	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 4:16:00 PM	Potassium	Total	=	44	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 4:42:00 PM	Sodium	Total	=	830	mg/L	EPA 200.7	0.15	5	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/14/2020 11:55:00 AM	Alkalinity as CaCO3	n/a	=	230	mg/L	SM 2320 B	0.56	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:36:00 PM	BOD	n/a	=	9.3	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/14/2020 11:48:00 AM	COD	n/a	=	54	mg/L	EPA 410.4	2.9	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/27/2020 11:28:00 AM	Dissolved Inorganic Carbon	Dissolved	=	55	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/16/2020 12:04:00 PM	Dissolved Organic Carbon	Dissolved	=	9.4	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 4:16:00 PM	Hardness as CaCO3	Total	=	984	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/7/2020 7:06:00 PM	MBAS	n/a	=	0.13	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:58:00 PM	Phenolics	n/a	DNQ	0.0057	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/16/2020 12:46:00 PM	Specific Conductance	n/a	=	8000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/8/2020 6:44:00 PM	Total Dissolved Solids	n/a	=	3500	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 10:32:00 AM	Total Organic Carbon	n/a	=	12	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 11:32:00 AM	Total Suspended Solids	n/a	=	44	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/7/2020 4:41:00 PM	Turbidity	n/a	=	11	NTU	EPA 180.1	0.017	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 11:32:00 AM	Volatile Suspended Solids	n/a	=	19	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/8/2020 9:49:00 PM	Diesel Range Organics	n/a	=	0.16	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/8/2020 9:49:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Aluminum	Dissolved	=	6.3	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Aluminum	Total	=	260	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Antimony	Dissolved	DNQ	0.34	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Antimony	Total	DNQ	0.37	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Arsenic	Dissolved	=	0.87	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Barium	Total	=	43	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Cadmium	Dissolved	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Cadmium	Total	=	0.16	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Chromium	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Chromium	Total	=	0.75	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/8/2020 5:47:00 PM	Chromium VI	n/a	=	0.025	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Copper	Total	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 3:26:00 PM	Iron	Dissolved	=	47	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 4:16:00 PM	Iron	Total	=	1700	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Lead	Dissolved	DNQ	0.051	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Lead	Total	=	0.81	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 1:43:00 PM	Mercury	Dissolved	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 1:45:00 PM	Mercury	Total	DNQ	28	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Nickel	Total	=	2.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Selenium	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Selenium	Total	DNQ	0.23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Silver	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Thallium	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Thallium	Total	DNQ	0.017	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 12:30:00 PM	Zinc	Dissolved	=	11	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/12/2020 1:04:00 PM	Zinc	Total	=	25	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:04:00 PM	Ammonia as N	n/a	=	0.15	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/7/2020 5:10:00 PM	Nitrate + Nitrite as N	n/a	=	0.2	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 3:26:00 PM	Phosphorus as P	Dissolved	DNQ	0.014	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 4:16:00 PM	Phosphorus as P	Total	=	0.34	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 1:24:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 11:30:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 11:30:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Benzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Butyl benzyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Di-n-butylphthalate	n/a	DNQ	0.4	µg/L	EPA 625.1	0.2	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 7:03:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608.3	0.1	1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608.3	0.3	1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608.3	0.14	1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608.3	0.003	0.01	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608.3	0.0036	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608.3	0.0082	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.01	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.01	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Dimethoate	n/a	=	0.021	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.04	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.1	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608.3	0.0056	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.04	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608.3	0.0088	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.02	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Malathion	n/a	=	0.014	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608.3	0.011	0.04	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	Pentachlorophenol	n/a	DNQ	0.065	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/13/2020 10:59:00 PM	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 3:33:00 PM	Pentachlorophenol	n/a	DNQ	0.4	µg/L	EPA 8270C	0.3	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/9/2020 10:44:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/15/2020 6:47:00 PM	Toxaphene	n/a	<	2	µg/L	EPA 608.3	2	2	WKL	DG
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/20/2020 8:17:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2019/20-4	Wet	4/6/2020 11:30:00 AM	4/10/2020 5:26:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2019/20-5	Dry	4/30/2020 10:15:00 AM	5/1/2020 1:00:00 PM	E. Coli	n/a	=	1274	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2019/20-5	Dry	4/30/2020 10:15:00 AM	5/1/2020 1:00:00 PM	Total Coliform	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 3:43:00 AM	Chloride	n/a	=	3300	mg/L	EPA 300.0	1.7	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/5/2020 1:34:00 AM	Fluoride	n/a	DNQ	0.53	mg/L	EPA 300.0	0.12	1.3	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/5/2020 12:10:00 PM	Perchlorate	n/a	<	8.4	µg/L	EPA 314.0	8.4	20	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/5/2020 1:34:00 AM	Sulfate	Total	=	1000	mg/L	EPA 300.0	3.1	6.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 9:27:00 PM	Calcium	Total	=	292	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 9:27:00 PM	Magnesium	Total	=	355	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 9:27:00 PM	Potassium	Total	=	140	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/7/2020 4:50:00 PM	Sodium	Total	=	2400	mg/L	EPA 200.7	0.15	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/7/2020 12:38:00 PM	Alkalinity as CaCO3	n/a	=	360	mg/L	SM 2320 B	0.56	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 4:15:00 PM	BOD	n/a	=	7.4	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/5/2020 4:33:00 PM	COD	n/a	=	64	mg/L	EPA 410.4	2.9	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 10:20:00 AM	Conductivity	n/a	=	11820	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 3:40:00 PM	Cyanide	Total	DNQ	0.0016	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	89	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/19/2020 8:25:00 AM	Dissolved Organic Carbon	Dissolved	=	5.9	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 10:20:00 AM	DO	n/a	=	163.7	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 10:20:00 AM	DO	n/a	=	13.7	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 9:27:00 PM	Hardness as CaCO3	Total	=	2190	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 4:08:00 PM	MBAS	n/a	=	0.12	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 10:20:00 AM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 4:12:00 PM	Phenolics	n/a	DNQ	0.008	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-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 10:20:00 AM	Salinity	n/a	=	7400	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 10:20:00 AM	Specific Conductance	n/a	=	12830	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/11/2020 12:22:00 PM	Specific Conductance	n/a	=	20000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 10:20:00 AM	Temperature	n/a	=	20.9	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/5/2020 6:12:00 PM	Total Dissolved Solids	n/a	=	10000	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 12:37:00 PM	Total Organic Carbon	n/a	=	7	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/2/2020 11:05:00 AM	Total Suspended Solids	n/a	=	27	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/1/2020 4:20:00 PM	Turbidity	n/a	=	16	NTU	EPA 180.1	0.017	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/2/2020 11:05:00 AM	Volatile Suspended Solids	n/a	=	19	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/11/2020 6:50:00 PM	Diesel Range Organics	n/a	DNQ	0.078	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/3/2020 7:58:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/4/2020 2:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/11/2020 6:50:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Aluminum	Dissolved	=	5	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Aluminum	Total	=	59	µg/L	EPA 200.8	1.3	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Antimony	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Antimony	Total	DNQ	0.17	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Arsenic	Total	=	2.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Barium	Total	=	77	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Chromium	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Chromium	Total	=	0.37	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/4/2020 12:51:00 PM	Chromium VI	n/a	<	0.0079	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Copper	Dissolved	DNQ	0.39	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Copper	Total	=	0.91	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 9:24:00 PM	Iron	Dissolved	DNQ	5	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 9:27:00 PM	Iron	Total	=	1400	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Lead	Dissolved	DNQ	0.078	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Lead	Total	=	0.21	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 3:33:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 3:34:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Nickel	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Nickel	Total	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Selenium	Total	DNQ	0.35	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Thallium	Dissolved	DNQ	0.027	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:28:00 PM	Zinc	Dissolved	DNQ	1.4	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 1:51:00 PM	Zinc	Total	DNQ	3.2	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/5/2020 4:34:00 PM	Ammonia as N	n/a	=	0.15	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/5/2020 5:55:00 PM	Nitrate + Nitrite as N	n/a	DNQ	0.089	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 9:24:00 PM	Phosphorus as P	Dissolved	=	0.24	mg/L	EPA 200.7	0.012	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-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/6/2020 9:27:00 PM	Phosphorus as P	Total	=	0.72	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/11/2020 3:35:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	1-Methylnaphthalene	n/a	<	0.048	µg/L	EPA 8270C	0.048	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	2-Methylnaphthalene	n/a	<	0.052	µg/L	EPA 8270C	0.052	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Acenaphthene	n/a	<	0.056	µg/L	EPA 8270C	0.056	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Acenaphthylene	n/a	<	0.066	µg/L	EPA 8270C	0.066	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Anthracene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Benzenzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	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	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Benzo(b)fluoranthene	n/a	<	0.054	µg/L	EPA 8270C	0.054	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Benzo(k)fluoranthene	n/a	<	0.052	µg/L	EPA 8270C	0.052	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.8	µg/L	EPA 625.1	0.36	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Chrysene	n/a	<	0.064	µg/L	EPA 8270C	0.064	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Dibenz(a,h)anthracene	n/a	<	0.19	µg/L	EPA 8270C	0.19	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Dimethyl phthalate	n/a	=	2	µg/L	EPA 625.1	0.36	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Di-n-butylphthalate	n/a	DNQ	0.39	µg/L	EPA 625.1	0.2	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Fluoranthene	n/a	<	0.078	µg/L	EPA 8270C	0.078	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Fluorene	n/a	<	0.058	µg/L	EPA 8270C	0.058	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.13	µg/L	EPA 8270C	0.13	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Naphthalene	n/a	<	0.052	µg/L	EPA 8270C	0.052	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Phenanthrene	n/a	<	0.058	µg/L	EPA 8270C	0.058	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/8/2020 6:19:00 AM	Pyrene	n/a	<	0.08	µg/L	EPA 8270C	0.08	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	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-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	2,4-DB	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	DCCA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/7/2020 7:19:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Mevinphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/13/2020 10:46:00 PM	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/9/2020 1:08:00 AM	Pentachlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	2	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/15/2020 10:55:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Ronnel (Fenclorophos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 9:54:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/12/2020 4:30:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-HUE	2019/20-5	Dry	5/1/2020 10:20:00 AM	5/14/2020 5:58:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	28800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	204600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/27/2019 8:30:00 AM	Conductivity	n/a	=	101.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	12/3/2019 5:51:00 PM	Cyanide	Total	=	0.0044	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/27/2019 8:30:00 AM	DO	n/a	=	7.35	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/27/2019 8:30:00 AM	DO	n/a	=	67.1	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/27/2019 8:30:00 AM	pH	n/a	=	7.5	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/27/2019 8:30:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/27/2019 8:30:00 AM	Specific Conductance	n/a	=	137.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/27/2019 8:30:00 AM	Temperature	n/a	=	11.3	°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-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	12/8/2019 11:57:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	12/14/2019 2:11:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/28/2019 12:59:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:30:00 AM	11/28/2019 12:59:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/5/2019 12:41:00 AM	Chloride	n/a	=	23	mg/L	EPA 300.0	0.85	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/5/2019 12:41:00 AM	Fluoride	n/a	DNQ	0.25	mg/L	EPA 300.0	0.09	1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/5/2019 11:52:00 PM	Perchlorate	n/a	=	14	µg/L	EPA 314.0	4.2	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/5/2019 12:41:00 AM	Sulfate	Total	=	62	mg/L	EPA 300.0	2.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Calcium	Total	=	32.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Magnesium	Total	=	12.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Potassium	Total	=	21	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Sodium	Total	=	18	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/3/2019 3:28:00 PM	Alkalinity as CaCO3	n/a	=	77	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/3/2019 11:35:00 AM	BOD	n/a	=	91	mg/L	SM 5210 B	2	2	WKL	EST
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/6/2019 12:50:00 PM	COD	n/a	=	630	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	8.7	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	180	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Hardness as CaCO3	Total	=	130	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/3/2019 5:33:00 PM	Phenolics	n/a	=	0.046	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 12:07:00 PM	Specific Conductance	n/a	=	420	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	390	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	190	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 1:18:00 PM	Total Suspended Solids	n/a	=	360	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	11/28/2019 11:23:00 AM	Turbidity	n/a	=	270	NTU	EPA 180.1	0.17	1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 1:18:00 PM	Volatile Suspended Solids	n/a	=	170	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/31/2019 9:48:00 AM	Diesel Range Organics	n/a	=	1.5	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/31/2019 9:48:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/22/2020 2:43:00 PM	Aluminum	Dissolved	=	76	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/22/2020 3:51:00 PM	Aluminum	Total	=	2400	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/22/2020 2:43:00 PM	Antimony	Dissolved	=	0.81	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/22/2020 3:51:00 PM	Antimony	Total	=	0.79	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Arsenic	Dissolved	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Arsenic	Total	=	4.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Barium	Total	=	110	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/22/2020 2:43:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/22/2020 3:51:00 PM	Beryllium	Total	=	0.17	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/22/2020 2:43:00 PM	Cadmium	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/22/2020 3:51:00 PM	Cadmium	Total	=	0.42	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Chromium	Dissolved	=	1.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Chromium	Total	=	5.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/3/2019 6:48:00 PM	Chromium VI	n/a	<	0.04	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Copper	Dissolved	=	11	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Copper	Total	=	43	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Iron	Dissolved	=	520	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Iron	Total	=	3400	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Lead	Dissolved	=	1.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Lead	Total	=	13	µg/L	EPA 200.8	0.031	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	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/17/2019 5:18:00 PM	Mercury	Dissolved	DNQ	25	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/17/2019 5:20:00 PM	Mercury	Total	=	60	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Nickel	Dissolved	=	9.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Nickel	Total	=	18	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Selenium	Dissolved	DNQ	0.28	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Selenium	Total	=	0.49	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:05:00 AM	Zinc	Dissolved	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 5:52:00 AM	Zinc	Total	=	260	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 4:30:00 PM	Ammonia as N	n/a	=	2.2	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/3/2019 1:27:00 PM	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Phosphorus as P	Dissolved	=	1.2	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/9/2020 2:29:00 PM	Phosphorus as P	Total	=	2.3	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/10/2019 5:03:00 PM	TKN	n/a	=	24	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	3-4-Methylphenol	n/a	DNQ	2.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Benzo(a)anthracene	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Di-n-butylphthalate	n/a	<	0.5	µg/L	EPA 625.1	0.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 5:08:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	2,4-DB	n/a	<	10	µg/L	EPA 515.4	10	10	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Azinphos methyl	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Bolstar	n/a	<	0.092	µg/L	EPA 525.2m	0.092	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Chlorpyrifos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Coumaphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Demeton-O	n/a	<	0.2	µg/L	EPA 525.2m	0.2	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	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Demeton-S	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Diazinon	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Dichlorvos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Disulfoton	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Ethoprop	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Ethyl parathion	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Fensulfothion	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Fenthion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 2:20:00 AM	Glyphosate	n/a	DNQ	27	µg/L	EPA 547	18	50	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Malathion	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Merphos	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Methyl parathion	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Mevinphos	n/a	<	0.084	µg/L	EPA 525.2m	0.084	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Naled	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	1/10/2020 4:02:00 AM	Pentachlorophenol	n/a	=	17	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/9/2019 11:34:00 PM	Pentachlorophenol	n/a	=	7	µg/L	EPA 625.1	2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	Pentachlorophenol	n/a	=	2.8	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Phorate	n/a	<	0.06	µg/L	EPA 525.2m	0.06	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/13/2019 4:21:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Ronnel (Fenclophos)	n/a	<	0.082	µg/L	EPA 525.2m	0.082	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Tokuthion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/20/2019 11:07:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/4/2019 10:21:00 PM	Trichloronate	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-MEI	2019/20-1	Wet	11/27/2019 8:50:00 AM	12/11/2019 11:52:00 PM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	285	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	69100	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/16/2020 6:55:00 PM	Conductivity	n/a	=	59.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/23/2020 4:10:00 PM	Cyanide	Total	DNQ	0.001	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/16/2020 6:55:00 PM	DO	n/a	=	11.61	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/16/2020 6:55:00 PM	DO	n/a	=	102.9	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/16/2020 6:55:00 PM	pH	n/a	=	6.55	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/16/2020 6:55:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/16/2020 6:55:00 PM	Specific Conductance	n/a	=	84	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/16/2020 6:55:00 PM	Temperature	n/a	=	9.8	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/20/2020 12:56:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/17/2020 8:50:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 6:55:00 PM	1/17/2020 8:50:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/20/2020 5:42:00 PM	Chloride	n/a	=	8.3	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/20/2020 5:42:00 PM	Fluoride	n/a	DNQ	0.096	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/21/2020 10:13:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/20/2020 5:42:00 PM	Sulfate	Total	=	19	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/29/2020 5:46:00 PM	Calcium	Total	=	12.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/29/2020 5:46:00 PM	Magnesium	Total	=	4.53	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/29/2020 5:46:00 PM	Potassium	Total	=	5.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/29/2020 5:46:00 PM	Sodium	Total	=	6	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/22/2020 11:59:00 AM	Alkalinity as CaCO3	n/a	=	29	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/22/2020 4:42:00 PM	BOD	n/a	=	43	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/22/2020 10:56:00 AM	COD	n/a	=	180	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.7	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	38	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/29/2020 5:46:00 PM	Hardness as CaCO3	Total	=	49.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.18	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/21/2020 5:27:00 PM	Phenolics	n/a	=	0.079	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/21/2020 11:53:00 AM	Specific Conductance	n/a	=	130	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	200	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	45	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	350	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/17/2020 6:26:00 PM	Turbidity	n/a	=	160	NTU	EPA 180.1	0.17	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	68	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 3:03:00 AM	Diesel Range Organics	n/a	=	0.65	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 3:03:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Aluminum	Dissolved	=	38	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Aluminum	Total	=	2900	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Antimony	Dissolved	DNQ	0.47	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Antimony	Total	=	0.59	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Arsenic	Dissolved	=	1	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-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Barium	Total	=	66	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Cadmium	Dissolved	DNQ	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Cadmium	Total	=	0.18	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Chromium	Dissolved	=	0.42	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Chromium	Total	=	6.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/20/2020 1:19:00 PM	Chromium VI	n/a	=	0.11	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Copper	Dissolved	=	5.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/29/2020 5:43:00 PM	Iron	Dissolved	=	89	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/29/2020 5:46:00 PM	Iron	Total	=	3900	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Lead	Dissolved	=	1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Lead	Total	=	14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/21/2020 5:11:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/21/2020 5:13:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Nickel	Dissolved	=	3.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Selenium	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Selenium	Total	DNQ	0.27	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Thallium	Total	DNQ	0.052	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 7:06:00 PM	Zinc	Dissolved	=	36	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/4/2020 8:50:00 PM	Zinc	Total	=	83	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/22/2020 2:29:00 PM	Ammonia as N	n/a	=	0.5	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/20/2020 12:42:00 PM	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/31/2020 5:28:00 PM	Phosphorus as P	Dissolved	=	0.084	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/5/2020 9:28:00 PM	Phosphorus as P	Total	=	0.57	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 5:48:00 PM	TKN	n/a	=	2.8	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	1,2-Dichlorobenzene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	1,2-Diphenylhydrazine	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	1,3-Dichlorobenzene	n/a	<	4.2	µg/L	EPA 625.1	4.2	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	1,4-Dichlorobenzene	n/a	<	4.8	µg/L	EPA 625.1	4.8	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	LB-LCSR
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2,4-Dinitrophenol	n/a	<	19	µg/L	EPA 625.1	19	100	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625.1	1.8	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-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625.1	4.5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	9.9	µg/L	EPA 625.1	9.9	50	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	14	µg/L	EPA 625.1	14	50	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625.1	2.3	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625.1	4.1	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	4-Nitrophenol	n/a	<	12	µg/L	EPA 625.1	12	50	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Acenaphthylene	n/a	<	1.7	µg/L	EPA 625.1	1.7	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Anthracene	n/a	<	1.2	µg/L	EPA 625.1	1.2	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Benzidine	n/a	<	14	µg/L	EPA 625.1	14	100	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Benzo(a)pyrene	n/a	<	3.9	µg/L	EPA 625.1	3.9	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Benzo(b)fluoranthene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Benzo(g,h,i)perylene	n/a	<	4.2	µg/L	EPA 625.1	4.2	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625.1	23	50	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Butyl benzyl phthalate	n/a	DNQ	3.9	µg/L	EPA 625.1	1.8	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Dibenz(a,h)anthracene	n/a	<	5.3	µg/L	EPA 625.1	5.3	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625.1	1.5	10	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Di-n-butylphthalate	n/a	DNQ	2	µg/L	EPA 625.1	1	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Di-n-octylphthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Fluoranthene	n/a	<	0.8	µg/L	EPA 625.1	0.8	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625.1	3.5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625.1	4.7	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Hexachlorocyclopentadiene	n/a	<	9.8	µg/L	EPA 625.1	9.8	50	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Hexachloroethane	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	5.5	µg/L	EPA 625.1	5.5	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	N-Nitrosodimethylamine	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625.1	3.2	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625.1	1.6	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/30/2020 10:33:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	PCB Aroclor 1016	n/a	<	1.2	µg/L	EPA 608.3	1.2	12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	PCB Aroclor 1221	n/a	<	1.5	µg/L	EPA 608.3	1.5	12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	PCB Aroclor 1232	n/a	<	3.8	µg/L	EPA 608.3	3.8	12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	PCB Aroclor 1242	n/a	<	1.8	µg/L	EPA 608.3	1.8	12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	PCB Aroclor 1248	n/a	<	1.5	µg/L	EPA 608.3	1.5	12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	PCB Aroclor 1254	n/a	<	1	µg/L	EPA 608.3	1	12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	PCB Aroclor 1260	n/a	<	1	µg/L	EPA 608.3	1	12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	2,4-DB	n/a	<	2.5	µg/L	EPA 515.4	2.5	2.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	4,4'-DDD	n/a	<	0.075	µg/L	EPA 608.3	0.075	1.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	4,4'-DDE	n/a	<	0.062	µg/L	EPA 608.3	0.062	1.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	4,4'-DDT	n/a	<	0.078	µg/L	EPA 608.3	0.078	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Aldrin	n/a	<	0.038	µg/L	EPA 608.3	0.038	0.12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	alpha-BHC	n/a	<	0.045	µg/L	EPA 608.3	0.045	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	alpha-Chlordane	n/a	<	0.1	µg/L	EPA 608.3	0.1	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Azinphos methyl	n/a	<	0.14	µg/L	EPA 525.2m	0.14	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-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	Bentazon	n/a	DNQ	0.94	µg/L	EPA 515.4	0.23	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	beta-BHC	n/a	<	0.078	µg/L	EPA 608.3	0.078	0.12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Bolstar	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Chlordane (technical)	n/a	<	2	µg/L	EPA 608.3	2	2.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Chlorpyrifos	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Coumaphos	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	delta-BHC	n/a	<	0.062	µg/L	EPA 608.3	0.062	0.12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Demeton-O	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Demeton-S	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Diazinon	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Dichlorvos	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Dieldrin	n/a	<	0.052	µg/L	EPA 608.3	0.052	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Dimethoate	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Disulfoton	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Endosulfan I	n/a	<	0.042	µg/L	EPA 608.3	0.042	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Endosulfan II	n/a	<	0.048	µg/L	EPA 608.3	0.048	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Endosulfan sulfate	n/a	<	0.2	µg/L	EPA 608.3	0.2	1.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Endrin	n/a	<	0.07	µg/L	EPA 608.3	0.07	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Endrin aldehyde	n/a	<	0.075	µg/L	EPA 608.3	0.075	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Ethoprop	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Ethyl parathion	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Fensulfothion	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Fenthion	n/a	<	0.095	µg/L	EPA 525.2m	0.095	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	gamma-BHC (Lindane)	n/a	<	0.052	µg/L	EPA 608.3	0.052	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	gamma-Chlordane	n/a	<	0.11	µg/L	EPA 608.3	0.11	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/20/2020 2:36:00 PM	Glyphosate	n/a	DNQ	4.5	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Heptachlor	n/a	<	0.042	µg/L	EPA 608.3	0.042	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Heptachlor epoxide	n/a	<	0.048	µg/L	EPA 608.3	0.048	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Malathion	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Merphos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Methoxychlor	n/a	<	0.14	µg/L	EPA 608.3	0.14	0.5	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Methyl parathion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	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	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Mevinphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Naled	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/1/2020 2:12:00 AM	Pentachlorophenol	n/a	DNQ	2.4	µg/L	EPA 8270C	1.5	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	Pentachlorophenol	n/a	=	1.1	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/6/2020 7:09:00 AM	Pentachlorophenol	n/a	DNQ	5.9	µg/L	EPA 625.1	4	10	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Phorate	n/a	<	0.075	µg/L	EPA 525.2m	0.075	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/25/2020 10:08:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Tokuthion	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	2/19/2020 12:35:00 AM	Toxaphene	n/a	<	3	µg/L	EPA 608.3	3	12	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/28/2020 10:26:00 AM	Trichloronate	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-MEI	2019/20-2	Wet	1/16/2020 10:02:00 PM	1/23/2020 10:18:00 PM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/6/2020 1:00:00 AM	Conductivity	n/a	=	93.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/16/2020 3:30:00 PM	Cyanide	Total	DNQ	0.0006	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/6/2020 1:00:00 AM	DO	n/a	=	9.21	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/6/2020 1:00:00 AM	DO	n/a	=	87.4	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/6/2020 1:00:00 AM	pH	n/a	=	7.04	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/6/2020 1:00:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/6/2020 1:00:00 AM	Specific Conductance	n/a	=	121.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/6/2020 1:00:00 AM	Temperature	n/a	=	13	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2019/20-4	Wet	4/6/2020 1:00:00 AM	4/13/2020 9:23:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/7/2020 4:46:00 PM	Chloride	n/a	=	8	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/7/2020 4:46:00 PM	Fluoride	n/a	DNQ	0.038	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:50:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/7/2020 4:46:00 PM	Sulfate	Total	=	7.9	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:52:00 PM	Calcium	Total	=	9.84	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:52:00 PM	Magnesium	Total	=	4.02	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:52:00 PM	Potassium	Total	=	5.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:52:00 PM	Sodium	Total	=	5.5	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 12:31:00 PM	Alkalinity as CaCO3	n/a	=	35	mg/L	SM 2320 B	0.56	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:36:00 PM	BOD	n/a	=	8.2	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 11:50:00 AM	COD	n/a	=	61	mg/L	EPA 410.4	2.9	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/27/2020 11:28:00 AM	Dissolved Inorganic Carbon	Dissolved	=	8.6	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/16/2020 12:04:00 PM	Dissolved Organic Carbon	Dissolved	=	10	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:52:00 PM	Hardness as CaCO3	Total	=	41.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/7/2020 7:06:00 PM	MBAS	n/a	DNQ	0.031	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 3:58:00 PM	Phenolics	n/a	=	0.011	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 1:29:00 PM	Specific Conductance	n/a	=	120	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/8/2020 6:44:00 PM	Total Dissolved Solids	n/a	=	77	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:32:00 AM	Total Organic Carbon	n/a	=	8	mg/L	SM 5310 B	0.073	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	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/8/2020 10:45:00 AM	Total Suspended Solids	n/a	=	130	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/7/2020 4:56:00 PM	Turbidity	n/a	=	50	NTU	EPA 180.1	0.034	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/8/2020 10:45:00 AM	Volatile Suspended Solids	n/a	=	23	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 12:10:00 AM	Diesel Range Organics	n/a	=	0.12	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 12:10:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Aluminum	Dissolved	=	39	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Aluminum	Total	=	2500	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Antimony	Total	DNQ	0.083	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Arsenic	Dissolved	=	0.91	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Barium	Total	=	46	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Beryllium	Total	DNQ	0.084	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Cadmium	Total	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Chromium	Dissolved	=	0.26	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Chromium	Total	=	6.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 10:11:00 AM	Chromium VI	n/a	DNQ	0.083	µg/L	EPA 218.6	0.04	0.1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Copper	Dissolved	=	2.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Copper	Total	=	7.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:41:00 PM	Iron	Dissolved	=	240	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:52:00 PM	Iron	Total	=	3200	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Lead	Dissolved	=	0.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Lead	Total	=	2.9	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 2:09:00 PM	Mercury	Dissolved	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 2:11:00 PM	Mercury	Total	DNQ	33	ng/L	EPA 245.1	17	50	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Nickel	Dissolved	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 12:52:00 PM	Zinc	Dissolved	=	6.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/12/2020 1:55:00 PM	Zinc	Total	=	37	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 3:14:00 PM	Ammonia as N	n/a	=	0.11	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/7/2020 5:15:00 PM	Nitrate + Nitrite as N	n/a	=	0.48	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:41:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/13/2020 3:52:00 PM	Phosphorus as P	Total	=	0.39	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 1:47:00 PM	TKN	n/a	=	1.3	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Benzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Butyl benzyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Di-n-butylphthalate	n/a	DNQ	0.4	µg/L	EPA 625.1	0.2	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/9/2020 9:21:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608.3	0.1	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608.3	0.3	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608.3	0.14	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	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	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608.3	0.003	0.01	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608.3	0.0036	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608.3	0.0082	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Atrazine	n/a	DNQ	0.47	µg/L	EPA 525.2	0.34	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.01	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.01	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.04	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608.3	0.0056	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.04	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608.3	0.0088	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:49:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608.3	0.011	0.04	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Metolachlor	n/a	DNQ	0.3	µg/L	EPA 525.2	0.12	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	Pentachlorophenol	n/a	=	0.21	µg/L	EPA 515.4	0.046	0.2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/14/2020 1:01:00 AM	Pentachlorophenol	n/a	DNQ	1.5	µg/L	EPA 625.1	0.8	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 5:33:00 PM	Pentachlorophenol	n/a	DNQ	0.54	µg/L	EPA 8270C	0.3	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 1:21:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/15/2020 8:49:00 PM	Toxaphene	n/a	<	2	µg/L	EPA 608.3	2	2	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/20/2020 10:13:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	DG
MO-MEI	2019/20-4	Wet	4/6/2020 9:00:00 AM	4/10/2020 7:41:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 2:11:00 AM	Chloride	n/a	=	5.9	mg/L	EPA 300.0	0.085	0.5	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 2:11:00 AM	Fluoride	n/a	DNQ	0.024	mg/L	EPA 300.0	0.009	0.1	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/6/2019 2:07:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 2:11:00 AM	Sulfate	Total	=	7.1	mg/L	EPA 300.0	0.24	0.5	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	224700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Calcium	Total	=	50.2	mg/L	EPA 200.7	0.016	0.1	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Magnesium	Total	=	10.3	mg/L	EPA 200.7	0.012	0.1	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Potassium	Total	=	14	mg/L	EPA 200.7	0.081	0.1	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Sodium	Total	=	40	mg/L	EPA 200.7	0.015	0.5	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 11:42:00 AM	Alkalinity as CaCO3	n/a	=	130	mg/L	SM 2320 B	0.56	2	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/3/2019 12:02:00 PM	BOD	n/a	=	58	mg/L	SM 5210 B	2	2	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/6/2019 12:52:00 PM	COD	n/a	=	290	mg/L	EPA 410.4	0.73	5	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/27/2019 7:50:00 AM	Conductivity	n/a	=	177.4	µmhos/cm	Field Meter	-88	1	Field Crew	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/4/2019 6:03:00 PM	Cyanide	Total	=	0.0027	mg/L	ASTM D7511	0.0003	0.002	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 B	0.016	0.1	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	31	mg/L	SM 5310 B	0.013	0.3	WKL	DG
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/27/2019 7:50:00 AM	DO	n/a	=	74.5	%	Field Meter	-88	0.1	Field Crew	DG

Appendix G  
Laboratory Environmental 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	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/27/2019 7:50:00 AM	DO	n/a	=	8.12	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Hardness as CaCO3	Total	=	168	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.12	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/27/2019 7:50:00 AM	pH	n/a	=	7.75	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/3/2019 5:33:00 PM	Phenolics	n/a	=	0.029	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/27/2019 7:50:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/4/2019 12:17:00 PM	Specific Conductance	n/a	=	560	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/27/2019 7:50:00 AM	Specific Conductance	n/a	=	238.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/27/2019 7:50:00 AM	Temperature	n/a	=	11.6	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	370	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	38	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/2/2019 7:18:00 PM	Total Suspended Solids	n/a	=	2400	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/28/2019 12:16:00 PM	Turbidity	n/a	=	440	NTU	EPA 180.1	0.34	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/2/2019 7:18:00 PM	Volatile Suspended Solids	n/a	=	340	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 6:14:00 PM	Diesel Range Organics	n/a	=	0.65	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/9/2019 4:03:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/14/2019 2:27:00 PM	Oil and Grease	n/a	DNQ	1.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 6:14:00 PM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/22/2020 3:34:00 PM	Aluminum	Dissolved	=	28	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/22/2020 4:48:00 PM	Aluminum	Total	=	4900	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/22/2020 3:34:00 PM	Antimony	Dissolved	=	0.57	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/22/2020 4:48:00 PM	Antimony	Total	=	0.65	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 5:23:00 AM	Arsenic	Dissolved	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Arsenic	Total	=	4.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Barium	Total	=	200	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/22/2020 3:34:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/22/2020 4:48:00 PM	Beryllium	Total	=	0.46	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/22/2020 3:34:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/22/2020 4:48:00 PM	Cadmium	Total	=	1.5	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Chromium	Dissolved	=	0.43	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Chromium	Total	=	8.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/3/2019 9:08:00 PM	Chromium VI	n/a	DNQ	0.095	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 5:23:00 AM	Copper	Dissolved	=	2.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Copper	Total	=	26	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Iron	Dissolved	=	280	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Iron	Total	=	6100	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 5:23:00 AM	Lead	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Lead	Total	=	14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/17/2019 6:12:00 PM	Mercury	Dissolved	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/17/2019 6:14:00 PM	Mercury	Total	DNQ	99	ng/L	EPA 245.1	34	100	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 5:23:00 AM	Nickel	Dissolved	=	4.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Nickel	Total	=	18	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 5:23:00 AM	Selenium	Dissolved	=	0.47	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Selenium	Total	=	0.67	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 5:23:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 5:23:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Thallium	Total	DNQ	0.05	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-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 5:23:00 AM	Zinc	Dissolved	DNQ	4.7	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:28:00 AM	Zinc	Total	=	220	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/4/2019 5:18:00 PM	Ammonia as N	n/a	=	0.97	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/3/2019 1:32:00 PM	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Phosphorus as P	Dissolved	=	0.6	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/9/2020 3:22:00 PM	Phosphorus as P	Total	=	2.1	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/3/2019 5:33:00 PM	TKN	n/a	=	9.2	mg/L	EPA 351.2	0.036	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/28/2019 4:28:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	3-/4-Methylphenol	n/a	DNQ	2.7	µg/L	EPA 8270C	1.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	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-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Benzo(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Benzo(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Benzidine	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Di-n-butylphthalate	n/a	<	0.5	µg/L	EPA 625.1	0.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	11/28/2019 4:28:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/20/2019 8:01:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	2,4-DB	n/a	<	5.5	µg/L	EPA 515.4	5.5	5.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Azinphos methyl	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	Bentazon	n/a	<	1.2	µg/L	EPA 515.4	1.2	1.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Bolstar	n/a	<	0.092	µg/L	EPA 525.2m	0.092	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Chlorpyrifos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Coumaphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	DCPA (Dacthal)	n/a	=	0.72	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Demeton-O	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Demeton-S	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Diazinon	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Dichlorvos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2m	0.12	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	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Disulfoton	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Ethoprop	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Ethyl parathion	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Fensulfothion	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Fenthion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/4/2019 3:34:00 AM	Glyphosate	n/a	=	25	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Malathion	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Merphos	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Methyl parathion	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Mevinphos	n/a	<	0.084	µg/L	EPA 525.2m	0.084	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Naled	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/10/2019 2:05:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	1/10/2020 6:29:00 AM	Pentachlorophenol	n/a	DNQ	3.8	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	Pentachlorophenol	n/a	=	0.45	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Phorate	n/a	<	0.06	µg/L	EPA 525.2m	0.06	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/13/2019 7:22:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Ronnel (Fenclophos)	n/a	<	0.082	µg/L	EPA 525.2m	0.082	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Tokuthion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/21/2019 1:39:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/5/2019 9:16:00 AM	Trichloronate	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-MPK	2019/20-1	Wet	11/27/2019 7:50:00 AM	12/12/2019 2:08:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	4106	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	92080	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/16/2020 10:30:00 PM	Conductivity	n/a	=	163.2	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-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/29/2020 7:17:00 PM	Cyanide	Total	DNQ	0.0009	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/16/2020 10:30:00 PM	DO	n/a	=	71	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/16/2020 10:30:00 PM	DO	n/a	=	7.73	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/16/2020 10:30:00 PM	pH	n/a	=	7.21	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/16/2020 10:30:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/16/2020 10:30:00 PM	Specific Conductance	n/a	=	225.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/16/2020 10:30:00 PM	Temperature	n/a	=	10.4	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/20/2020 5:26:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/18/2020 3:27:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:30:00 PM	1/18/2020 3:27:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/20/2020 7:12:00 PM	Chloride	n/a	=	24	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/20/2020 7:12:00 PM	Fluoride	n/a	DNQ	0.094	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/21/2020 12:02:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/20/2020 7:12:00 PM	Sulfate	Total	=	45	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 5:51:00 PM	Calcium	Total	=	27	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 5:51:00 PM	Magnesium	Total	=	5.92	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 5:51:00 PM	Potassium	Total	=	6.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 5:51:00 PM	Sodium	Total	=	17	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/22/2020 1:13:00 PM	Alkalinity as CaCO3	n/a	=	23	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/22/2020 5:08:00 PM	BOD	n/a	=	19	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/22/2020 11:08:00 AM	COD	n/a	=	70	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	8.1	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	19	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 5:51:00 PM	Hardness as CaCO3	Total	=	91.9	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.14	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/21/2020 5:27:00 PM	Phenolics	n/a	DNQ	0.0089	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/21/2020 12:00:00 PM	Specific Conductance	n/a	=	280	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	300	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	19	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	640	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/17/2020 6:33:00 PM	Turbidity	n/a	=	140	NTU	EPA 180.1	0.085	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	72	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 5:57:00 AM	Diesel Range Organics	n/a	=	0.94	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 5:57:00 AM	Oil Range Organics	n/a	<	0.66	mg/L	EPA 8015D	0.66	1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Aluminum	Dissolved	=	41	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Aluminum	Total	=	5700	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Antimony	Dissolved	=	0.63	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Antimony	Total	=	0.88	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Arsenic	Total	=	3.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Barium	Total	=	87	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Beryllium	Total	=	0.24	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Cadmium	Dissolved	DNQ	0.056	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Cadmium	Total	=	0.34	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Chromium	Dissolved	=	0.47	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Chromium	Total	=	9.7	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	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/20/2020 2:42:00 PM	Chromium VI	n/a	=	0.32	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Copper	Dissolved	=	6.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Copper	Total	=	16	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 4:21:00 PM	Iron	Dissolved	=	51	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 5:51:00 PM	Iron	Total	=	7300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Lead	Dissolved	=	1.6	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Lead	Total	=	5.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/22/2020 11:38:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/22/2020 11:40:00 AM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Nickel	Dissolved	=	2.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Nickel	Total	=	9.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Selenium	Dissolved	=	0.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Selenium	Total	=	0.72	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 10:45:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 8:41:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Thallium	Total	DNQ	0.075	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 10:45:00 PM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 9:07:00 PM	Zinc	Total	=	69	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/22/2020 2:38:00 PM	Ammonia as N	n/a	=	0.33	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/20/2020 12:51:00 PM	Nitrate + Nitrite as N	n/a	=	4.2	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 4:21:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/3/2020 5:51:00 PM	Phosphorus as P	Total	=	0.55	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/29/2020 4:35:00 PM	TKN	n/a	=	2.4	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	LB-LCSR
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	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	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.92	µg/L	EPA 8270C	0.28	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Benzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.77	µg/L	EPA 625.1	0.36	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Di-n-butylphthalate	n/a	DNQ	0.43	µg/L	EPA 625.1	0.2	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	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	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 10:45:00 PM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/30/2020 1:26:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	PCB Aroclor 1016	n/a	<	2.5	µg/L	EPA 608.3	2.5	25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	PCB Aroclor 1221	n/a	<	3	µg/L	EPA 608.3	3	25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	PCB Aroclor 1232	n/a	<	7.5	µg/L	EPA 608.3	7.5	25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	PCB Aroclor 1242	n/a	<	3.5	µg/L	EPA 608.3	3.5	25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	PCB Aroclor 1248	n/a	<	3	µg/L	EPA 608.3	3	25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	PCB Aroclor 1254	n/a	<	2	µg/L	EPA 608.3	2	25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	PCB Aroclor 1260	n/a	<	2	µg/L	EPA 608.3	2	25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	2,4-DB	n/a	<	3	µg/L	EPA 515.4	3	3	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	4,4'-DDD	n/a	<	0.15	µg/L	EPA 608.3	0.15	2.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	4,4'-DDE	n/a	<	0.12	µg/L	EPA 608.3	0.12	2.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	4,4'-DDT	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Aldrin	n/a	<	0.075	µg/L	EPA 608.3	0.075	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	alpha-BHC	n/a	<	0.09	µg/L	EPA 608.3	0.09	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	alpha-Chlordane	n/a	<	0.2	µg/L	EPA 608.3	0.2	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Azinphos methyl	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	Bentazon	n/a	DNQ	1.3	µg/L	EPA 515.4	0.23	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	beta-BHC	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Bolstar	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Chlordane (technical)	n/a	<	4	µg/L	EPA 608.3	4	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	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	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Chlorpyrifos	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Coumaphos	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	DCPA (Dacthal)	n/a	=	0.53	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	delta-BHC	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Demeton-O	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Demeton-S	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Diazinon	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Dichlorvos	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Dieldrin	n/a	<	0.1	µg/L	EPA 608.3	0.1	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Dimethoate	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Disulfoton	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Endosulfan I	n/a	<	0.085	µg/L	EPA 608.3	0.085	1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Endosulfan II	n/a	<	0.095	µg/L	EPA 608.3	0.095	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Endosulfan sulfate	n/a	<	0.4	µg/L	EPA 608.3	0.4	2.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Endrin	n/a	<	0.14	µg/L	EPA 608.3	0.14	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Endrin aldehyde	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Ethoprop	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Ethyl parathion	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Fensulfthion	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Fenthion	n/a	<	0.095	µg/L	EPA 525.2m	0.095	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	gamma-BHC (Lindane)	n/a	<	0.1	µg/L	EPA 608.3	0.1	1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	gamma-Chlordane	n/a	<	0.22	µg/L	EPA 608.3	0.22	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/20/2020 3:50:00 PM	Glyphosate	n/a	=	6.8	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Heptachlor	n/a	<	0.085	µg/L	EPA 608.3	0.085	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Heptachlor epoxide	n/a	<	0.095	µg/L	EPA 608.3	0.095	0.5	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Malathion	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Merphos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Methoxychlor	n/a	<	0.27	µg/L	EPA 608.3	0.27	1	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Methyl parathion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Mevinphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Naled	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/1/2020 4:39:00 AM	Pentachlorophenol	n/a	DNQ	0.79	µg/L	EPA 8270C	0.3	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/6/2020 9:38:00 AM	Pentachlorophenol	n/a	DNQ	1.3	µg/L	EPA 625.1	0.8	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	Pentachlorophenol	n/a	=	0.46	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Phorate	n/a	<	0.075	µg/L	EPA 525.2m	0.075	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	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/25/2020 1:09:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Ronnel (Fenclorophos)	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Tokuthion	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	2/19/2020 2:37:00 AM	Toxaphene	n/a	<	6	µg/L	EPA 608.3	6	25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/28/2020 10:54:00 AM	Trichloronate	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-MPK	2019/20-2	Wet	1/16/2020 10:45:00 PM	1/24/2020 8:04:00 PM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/6/2020 6:40:00 AM	Conductivity	n/a	=	122.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/16/2020 3:37:00 PM	Cyanide	Total	DNQ	0.0018	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/6/2020 6:40:00 AM	DO	n/a	=	66.2	%	Field Meter	-88	0.1	Field Crew	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/6/2020 6:40:00 AM	DO	n/a	=	6.81	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/6/2020 6:40:00 AM	pH	n/a	=	7.23	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/6/2020 6:40:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/6/2020 6:40:00 AM	Specific Conductance	n/a	=	157.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/6/2020 6:40:00 AM	Temperature	n/a	=	13.4	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2019/20-4	Wet	4/6/2020 6:40:00 AM	4/13/2020 9:23:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/7/2020 5:04:00 PM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/7/2020 5:04:00 PM	Fluoride	n/a	DNQ	0.06	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 10:18:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/7/2020 5:04:00 PM	Sulfate	Total	=	36	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 4:25:00 PM	Calcium	Total	=	22.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 4:25:00 PM	Magnesium	Total	=	3.76	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 4:25:00 PM	Potassium	Total	=	3.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 4:25:00 PM	Sodium	Total	=	9.7	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 12:38:00 PM	Alkalinity as CaCO3	n/a	=	27	mg/L	SM 2320 B	0.56	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:36:00 PM	BOD	n/a	=	5.7	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 11:50:00 AM	COD	n/a	=	41	mg/L	EPA 410.4	2.9	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/27/2020 11:28:00 AM	Dissolved Inorganic Carbon	Dissolved	=	6	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/16/2020 12:04:00 PM	Dissolved Organic Carbon	Dissolved	=	7.5	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 4:25:00 PM	Hardness as CaCO3	Total	=	71.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/7/2020 7:06:00 PM	MBAS	n/a	=	0.055	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 3:57:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 1:30:00 PM	Specific Conductance	n/a	=	210	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/8/2020 6:44:00 PM	Total Dissolved Solids	n/a	=	190	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:32:00 AM	Total Organic Carbon	n/a	=	6.8	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/8/2020 10:45:00 AM	Total Suspended Solids	n/a	=	200	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/7/2020 4:58:00 PM	Turbidity	n/a	=	36	NTU	EPA 180.1	0.017	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/8/2020 10:45:00 AM	Volatile Suspended Solids	n/a	=	23	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 12:45:00 AM	Diesel Range Organics	n/a	=	0.27	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 12:45:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Aluminum	Dissolved	=	32	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Aluminum	Total	=	2600	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Antimony	Dissolved	DNQ	0.2	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	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Antimony	Total	DNQ	0.34	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Arsenic	Total	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Barium	Total	=	58	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Beryllium	Total	DNQ	0.076	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Cadmium	Dissolved	DNQ	0.043	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Cadmium	Total	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Chromium	Dissolved	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Chromium	Total	=	4.7	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 10:24:00 AM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Copper	Dissolved	=	3.8	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Copper	Total	=	9.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 3:44:00 PM	Iron	Dissolved	=	33	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 4:25:00 PM	Iron	Total	=	3300	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Lead	Dissolved	DNQ	0.038	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Lead	Total	=	2.8	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 2:13:00 PM	Mercury	Dissolved	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 2:15:00 PM	Mercury	Total	DNQ	30	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Nickel	Dissolved	=	0.93	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Nickel	Total	=	4.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Selenium	Dissolved	=	0.86	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Selenium	Total	=	0.94	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Thallium	Total	DNQ	0.025	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 12:56:00 PM	Zinc	Dissolved	=	9.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/12/2020 1:59:00 PM	Zinc	Total	=	50	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 3:16:00 PM	Ammonia as N	n/a	=	0.1	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/7/2020 5:16:00 PM	Nitrate + Nitrite as N	n/a	=	4.3	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 3:44:00 PM	Phosphorus as P	Dissolved	=	0.11	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/13/2020 4:25:00 PM	Phosphorus as P	Total	=	0.31	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 2:21:00 PM	TKN	n/a	=	0.69	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Benzenidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Benzo(a)pyrene	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.21	µg/L	EPA 525.2	0.21	10	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.1	µg/L	EPA 525.2	2.1	6	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.48	µg/L	EPA 625.1	0.18	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 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-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Di-n-butylphthalate	n/a	DNQ	0.23	µg/L	EPA 625.1	0.1	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/9/2020 9:56:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608.3	0.1	1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608.3	0.3	1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608.3	0.14	1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	4,4'-DDE	n/a	DNQ	0.013	µg/L	EPA 608.3	0.005	0.1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Alachlor	n/a	<	0.044	µg/L	EPA 525.2	0.044	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608.3	0.003	0.01	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608.3	0.0036	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608.3	0.0082	0.02	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Atrazine	n/a	<	0.068	µg/L	EPA 525.2	0.068	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.01	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Bromacil	n/a	=	2.4	µg/L	EPA 525.2	0.076	2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Butachlor	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.4	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Captan	n/a	<	1.7	µg/L	EPA 525.2	1.7	2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Chlorpropham	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Cyanazine	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	DCCA (Daacthal)	n/a	=	0.36	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.01	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Diazinon	n/a	<	0.19	µg/L	EPA 525.2	0.19	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Dichlorvos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Dimethoate	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Diphenamid	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Disulfoton	n/a	<	0.062	µg/L	EPA 525.2	0.062	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.04	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.1	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608.3	0.0056	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	EPTC	n/a	<	0.034	µg/L	EPA 525.2	0.034	2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Fensulfothion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.04	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608.3	0.0088	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:01:00 PM	Glyphosate	n/a	DNQ	28	µg/L	EPA 547	18	50	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Malathion	n/a	=	0.11	µg/L	EPA 525.2m	0.015	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608.3	0.011	0.04	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Metolachlor	n/a	=	0.21	µg/L	EPA 525.2	0.024	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Metribuzin	n/a	<	0.03	µg/L	EPA 525.2	0.03	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Mevinphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Molinate	n/a	<	0.078	µg/L	EPA 525.2	0.078	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Naled	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	Pentachlorophenol	n/a	=	6.3	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/14/2020 1:32:00 AM	Pentachlorophenol	n/a	=	7	µg/L	EPA 625.1	0.4	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 6:02:00 PM	Pentachlorophenol	n/a	=	6.8	µg/L	EPA 8270C	0.15	1	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	0.006	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 1:47:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Prometon	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Prometryn	n/a	<	0.072	µg/L	EPA 525.2	0.072	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Simazine	n/a	<	0.03	µg/L	EPA 525.2	0.03	0.2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Terbacil	n/a	<	1.1	µg/L	EPA 525.2	1.1	4	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Thiobencarb	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.4	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/15/2020 9:19:00 PM	Toxaphene	n/a	<	2	µg/L	EPA 608.3	2	2	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/20/2020 10:36:00 PM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	DG
MO-MPK	2019/20-4	Wet	4/6/2020 6:50:00 AM	4/10/2020 8:08:00 PM	Trithion	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	DG
MO-MPK	2019/20-5	Dry	5/12/2020 8:15:00 AM	5/13/2020 7:00:00 AM	E. Coli	n/a	=	15531	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2019/20-5	Dry	5/12/2020 8:15:00 AM	5/13/2020 7:00:00 AM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-MPK	2019/20-5	Dry	5/12/2020 8:15:00 AM	5/12/2020 8:15:00 AM	pH	n/a	=	8.41	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2019/20-5	Dry	5/12/2020 8:15:00 AM	5/12/2020 8:15:00 AM	Temperature	n/a	=	16.5	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/14/2020 10:45:00 AM	Chloride	n/a	=	570	mg/L	EPA 300.0	0.51	3	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/14/2020 2:59:00 AM	Fluoride	n/a	=	2.7	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/14/2020 1:01:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/14/2020 10:45:00 AM	Sulfate	Total	=	360	mg/L	EPA 300.0	1.4	3	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:13:00 PM	Calcium	Total	=	85.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:13:00 PM	Magnesium	Total	=	47	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:13:00 PM	Potassium	Total	=	62	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:13:00 PM	Sodium	Total	=	440	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/21/2020 10:55:00 AM	Alkalinity as CaCO3	n/a	=	310	mg/L	SM 2320 B	0.56	5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/18/2020 4:59:00 PM	BOD	n/a	=	6.9	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 12:50:00 PM	COD	n/a	=	310	mg/L	EPA 410.4	2.9	5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	69	mg/L	SM 5310 B	0.5	5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/27/2020 11:41:00 AM	Dissolved Organic Carbon	Dissolved	=	74	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:13:00 PM	Hardness as CaCO3	Total	=	406	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/13/2020 3:24:00 PM	MBAS	n/a	=	0.23	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/27/2020 1:00:00 PM	Phenolics	n/a	=	0.039	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/13/2020 12:55:00 PM	Specific Conductance	n/a	=	3400	µmhos/cm	SM 2510 B	0.94	8	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/14/2020 6:00:00 PM	Total Dissolved Solids	n/a	=	2100	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/28/2020 1:20:00 PM	Total Organic Carbon	n/a	=	78	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/16/2020 11:55:00 AM	Total Suspended Solids	n/a	=	5	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/13/2020 5:29:00 PM	Turbidity	n/a	=	1.7	NTU	EPA 180.1	0.017	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/16/2020 11:55:00 AM	Volatile Suspended Solids	n/a	<	3.1	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-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/21/2020 9:19:00 PM	Diesel Range Organics	n/a	=	0.85	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/21/2020 9:19:00 PM	Oil Range Organics	n/a	DNQ	0.45	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Aluminum	Dissolved	DNQ	4.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Aluminum	Total	=	21	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Antimony	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Antimony	Total	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Arsenic	Dissolved	=	8.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Arsenic	Total	=	8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Barium	Total	=	100	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Cadmium	Dissolved	=	1.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Cadmium	Total	=	1.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Chromium	Dissolved	=	0.64	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Chromium	Total	=	0.61	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/13/2020 1:37:00 PM	Chromium VI	n/a	=	0.15	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Copper	Dissolved	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Copper	Total	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:10:00 PM	Iron	Dissolved	=	15	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:13:00 PM	Iron	Total	=	27	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Lead	Dissolved	=	0.47	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Lead	Total	=	0.48	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/21/2020 1:25:00 PM	Mercury	Dissolved	DNQ	26	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/21/2020 1:27:00 PM	Mercury	Total	DNQ	27	ng/L	EPA 245.1	17	50	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Nickel	Total	=	7.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Selenium	Dissolved	=	0.74	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Selenium	Total	=	0.72	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:21:00 PM	Zinc	Dissolved	=	30	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/22/2020 6:50:00 PM	Zinc	Total	=	29	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/14/2020 5:24:00 PM	Ammonia as N	n/a	DNQ	0.087	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/13/2020 1:16:00 PM	Nitrate + Nitrite as N	n/a	<	0.036	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:10:00 PM	Phosphorus as P	Dissolved	=	0.1	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 6:13:00 PM	Phosphorus as P	Total	=	0.14	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 6:01:00 PM	TKN	n/a	=	5.6	mg/L	EPA 351.2	0.036	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	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
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	2,4-DB	n/a	DNQ	0.35	µg/L	EPA 515.4	0.19	2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	Bentazon	n/a	<	4	µg/L	EPA 515.4	4	4	WKL	DF
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Chlordane (technical)	n/a	<	2.5	µg/L	EPA 608.3	2.5	2.5	WKL	DF, EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	DCPA (Daacthal)	n/a	=	1.1	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	EST-HT, EST-LCSH
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Dimethoate	n/a	DNQ	0.0063	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Endosulfan I	n/a	DNQ	0.012	µg/L	EPA 608.3	0.0085	0.1	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	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
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/19/2020 7:32:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Metolachlor	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.2	WKL	DF
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Meviphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	Pentachlorophenol	n/a	=	0.21	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/23/2020 6:57:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/3/2020 2:07:00 AM	Toxaphene	n/a	<	5	µg/L	EPA 608.3	5	5	WKL	DF, EST-HT
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	6/12/2020 1:28:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2019/20-5	Dry	5/12/2020 8:20:00 AM	5/15/2020 5:36:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	27550	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	141360	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/27/2019 7:00:00 AM	Conductivity	n/a	=	261.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	12/3/2019 5:44:00 PM	Cyanide	Total	=	0.0035	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/27/2019 7:00:00 AM	DO	n/a	=	92.5	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/27/2019 7:00:00 AM	DO	n/a	=	10.46	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/27/2019 7:00:00 AM	pH	n/a	=	7.1	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/27/2019 7:00:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/27/2019 7:00:00 AM	Specific Conductance	n/a	=	373	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/27/2019 7:00:00 AM	Temperature	n/a	=	9.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	12/8/2019 11:29:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	12/18/2019 4:42:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/28/2019 12:36:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-OJA	2019/20-1	Wet	11/27/2019 7:00:00 AM	11/28/2019 12:36:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	81640	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/16/2020 7:45:00 PM	Conductivity	n/a	=	82.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/23/2020 4:05:00 PM	Cyanide	Total	DNQ	0.0014	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/16/2020 7:45:00 PM	DO	n/a	=	9.97	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/16/2020 7:45:00 PM	DO	n/a	=	90.3	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/16/2020 7:45:00 PM	pH	n/a	=	7.16	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/16/2020 7:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/16/2020 7:45:00 PM	Specific Conductance	n/a	=	113.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/16/2020 7:45:00 PM	Temperature	n/a	=	10.6	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/20/2020 12:29:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/17/2020 8:26:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 7:45:00 PM	1/17/2020 8:26:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/20/2020 5:24:00 PM	Chloride	n/a	=	8.3	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/20/2020 5:24:00 PM	Fluoride	n/a	=	0.12	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/21/2020 9:46:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/20/2020 5:24:00 PM	Sulfate	Total	=	19	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/29/2020 5:23:00 PM	Calcium	Total	=	14.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/29/2020 5:23:00 PM	Magnesium	Total	=	3.27	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/29/2020 5:23:00 PM	Potassium	Total	=	5.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/29/2020 5:23:00 PM	Sodium	Total	=	6.2	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/22/2020 11:52:00 AM	Alkalinity as CaCO3	n/a	=	40	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/22/2020 4:38:00 PM	BOD	n/a	=	51	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/22/2020 10:56:00 AM	COD	n/a	=	160	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	7.4	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	45	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/29/2020 5:23:00 PM	Hardness as CaCO3	Total	=	50.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.33	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/21/2020 5:27:00 PM	Phenolics	n/a	=	0.03	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/21/2020 11:51:00 AM	Specific Conductance	n/a	=	160	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	210	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	50	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	190	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/17/2020 6:22:00 PM	Turbidity	n/a	=	80	NTU	EPA 180.1	0.085	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	51	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 2:28:00 AM	Diesel Range Organics	n/a	=	1.6	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 2:28:00 AM	Oil Range Organics	n/a	DNQ	0.66	mg/L	EPA 8015D	0.66	1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Aluminum	Dissolved	=	50	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Aluminum	Total	=	820	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Antimony	Dissolved	DNQ	0.49	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Antimony	Total	=	0.69	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Arsenic	Total	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Barium	Total	=	32	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Beryllium	Total	DNQ	0.055	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	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-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Cadmium	Total	DNQ	0.074	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Chromium	Dissolved	=	0.62	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Chromium	Total	=	1.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/20/2020 1:07:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Copper	Dissolved	=	7.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Copper	Total	=	14	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/29/2020 5:20:00 PM	Iron	Dissolved	=	100	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/29/2020 5:23:00 PM	Iron	Total	=	1000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Lead	Dissolved	=	0.65	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Lead	Total	=	2.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/21/2020 4:57:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/21/2020 4:58:00 PM	Mercury	Total	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Nickel	Dissolved	=	2.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Nickel	Total	=	4.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Selenium	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Selenium	Total	DNQ	0.23	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Thallium	Total	DNQ	0.018	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 7:02:00 PM	Zinc	Dissolved	=	45	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/4/2020 8:45:00 PM	Zinc	Total	=	64	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/22/2020 2:26:00 PM	Ammonia as N	n/a	=	0.58	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/20/2020 12:41:00 PM	Nitrate + Nitrite as N	n/a	<	0.08	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/31/2020 5:25:00 PM	Phosphorus as P	Dissolved	=	0.26	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/5/2020 9:25:00 PM	Phosphorus as P	Total	=	0.6	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 5:46:00 PM	TKN	n/a	=	2.6	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	LB-LCSR
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	2-Methylnaphthalene	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-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Benzenzidine	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	19	µg/L	EPA 625.1	12	25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Butyl benzyl phthalate	n/a	DNQ	1.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Di-n-butylphthalate	n/a	DNQ	1.1	µg/L	EPA 625.1	0.5	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/30/2020 9:58:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	2,4-D	n/a	=	2.8	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	2,4-DB	n/a	<	5	µg/L	EPA 515.4	5	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	Bentazon	n/a	=	3	µg/L	EPA 515.4	0.23	2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	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	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	Dicamba	n/a	DNQ	0.2	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Fensulfthion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/20/2020 2:24:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/1/2020 1:42:00 AM	Pentachlorophenol	n/a	DNQ	1.1	µg/L	EPA 8270C	0.75	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	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/6/2020 6:39:00 AM	Pentachlorophenol	n/a	DNQ	2.8	µg/L	EPA 625.1	2	5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	Pentachlorophenol	n/a	=	0.47	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/25/2020 9:32:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	2/19/2020 12:05:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/28/2020 9:58:00 AM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OJA	2019/20-2	Wet	1/16/2020 9:30:00 PM	1/23/2020 9:51:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/6/2020 12:20:00 AM	Conductivity	n/a	=	49.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/16/2020 3:25:00 PM	Cyanide	Total	DNQ	0.0009	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/6/2020 12:20:00 AM	DO	n/a	=	92.3	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/6/2020 12:20:00 AM	DO	n/a	=	9.92	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/6/2020 12:20:00 AM	pH	n/a	=	6.55	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/6/2020 12:20:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/6/2020 12:20:00 AM	Specific Conductance	n/a	=	65.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/6/2020 12:20:00 AM	Temperature	n/a	=	12.2	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2019/20-4	Wet	4/6/2020 12:20:00 AM	4/13/2020 9:23:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/7/2020 4:28:00 PM	Chloride	n/a	=	4.3	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/7/2020 4:28:00 PM	Fluoride	n/a	DNQ	0.032	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/8/2020 7:10:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/7/2020 4:28:00 PM	Sulfate	Total	=	4.4	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 4:33:00 PM	Calcium	Total	=	12.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 4:33:00 PM	Magnesium	Total	=	6.83	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 4:33:00 PM	Potassium	Total	=	6.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 4:33:00 PM	Sodium	Total	=	3.6	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:25:00 PM	Alkalinity as CaCO3	n/a	=	28	mg/L	SM 2320 B	0.56	5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:36:00 PM	BOD	n/a	=	6.7	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 11:49:00 AM	COD	n/a	=	78	mg/L	EPA 410.4	2.9	5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/27/2020 11:28:00 AM	Dissolved Inorganic Carbon	Dissolved	=	4.9	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/16/2020 12:04:00 PM	Dissolved Organic Carbon	Dissolved	=	7.6	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 4:33:00 PM	Hardness as CaCO3	Total	=	58.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/7/2020 7:06:00 PM	MBAS	n/a	DNQ	0.025	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 3:58:00 PM	Phenolics	n/a	DNQ	0.0085	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 1:27:00 PM	Specific Conductance	n/a	=	82	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/8/2020 6:44:00 PM	Total Dissolved Solids	n/a	=	71	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 10:32:00 AM	Total Organic Carbon	n/a	=	5.6	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/8/2020 10:45:00 AM	Total Suspended Solids	n/a	=	800	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/7/2020 4:54:00 PM	Turbidity	n/a	=	160	NTU	EPA 180.1	0.17	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/8/2020 10:45:00 AM	Volatile Suspended Solids	n/a	=	94	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/8/2020 11:35:00 PM	Diesel Range Organics	n/a	DNQ	0.049	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/8/2020 11:35:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Aluminum	Dissolved	=	63	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 2:18:00 PM	Aluminum	Total	=	15000	µg/L	EPA 200.8	1300	5000	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Antimony	Total	DNQ	0.14	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Arsenic	Dissolved	=	0.62	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Arsenic	Total	=	4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Barium	Total	=	180	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Beryllium	Total	=	0.64	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 4:33:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Cadmium	Total	=	0.22	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Chromium	Dissolved	=	0.21	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Chromium	Total	=	17	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 9:59:00 AM	Chromium VI	n/a	=	0.3	µg/L	EPA 218.6	0.04	0.1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Copper	Dissolved	=	3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Copper	Total	=	36	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 3:38:00 PM	Iron	Dissolved	=	58	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 4:33:00 PM	Iron	Total	=	18000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Lead	Dissolved	DNQ	0.069	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Lead	Total	=	15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 1:54:00 PM	Mercury	Dissolved	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 1:56:00 PM	Mercury	Total	DNQ	44	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Nickel	Dissolved	DNQ	0.57	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Nickel	Total	=	23	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Selenium	Total	DNQ	0.26	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Thallium	Total	DNQ	0.17	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 12:47:00 PM	Zinc	Dissolved	DNQ	2.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/12/2020 1:51:00 PM	Zinc	Total	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 3:13:00 PM	Ammonia as N	n/a	DNQ	0.088	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/7/2020 5:14:00 PM	Nitrate + Nitrite as N	n/a	=	0.35	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 3:38:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/13/2020 4:33:00 PM	Phosphorus as P	Total	=	0.74	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 2:19:00 PM	TKN	n/a	=	2.1	mg/L	EPA 351.2	0.018	0.1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	1,2,4-Trichlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	1,2-Dichlorobenzene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	1,2-Diphenylhydrazine	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	1,3-Dichlorobenzene	n/a	<	4.2	µg/L	EPA 625.1	4.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	1,4-Dichlorobenzene	n/a	<	4.8	µg/L	EPA 625.1	4.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2,4-Dinitrophenol	n/a	<	19	µg/L	EPA 625.1	19	100	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625.1	4.5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	3,3'-Dichlorobenzidine	n/a	<	9.9	µg/L	EPA 625.1	9.9	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	14	µg/L	EPA 625.1	14	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625.1	2.3	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625.1	4.1	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	4-Nitrophenol	n/a	<	12	µg/L	EPA 625.1	12	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Acenaphthylene	n/a	<	1.7	µg/L	EPA 625.1	1.7	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Anthracene	n/a	<	1.2	µg/L	EPA 625.1	1.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Benzenzidine	n/a	<	14	µg/L	EPA 625.1	14	100	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Benzo(a)pyrene	n/a	<	3.9	µg/L	EPA 625.1	3.9	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Benzo(a)pyrene	n/a	<	3.5	µg/L	EPA 525.2	3.5	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Benzo(b)fluoranthene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Benzo(g,h,i)perylene	n/a	<	4.2	µg/L	EPA 625.1	4.2	20	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	5.2	µg/L	EPA 525.2	5.2	250	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	53	µg/L	EPA 525.2	53	150	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625.1	23	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	DG



Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Dibenz(a,h)anthracene	n/a	<	5.3	µg/L	EPA 625.1	5.3	20	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625.1	1.5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Di-n-butylphthalate	n/a	DNQ	2.1	µg/L	EPA 625.1	1	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Di-n-octylphthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Fluoranthene	n/a	<	0.8	µg/L	EPA 625.1	0.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625.1	3.5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625.1	4.7	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Hexachlorocyclopentadiene	n/a	<	9.8	µg/L	EPA 625.1	9.8	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Hexachloroethane	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	5.5	µg/L	EPA 625.1	5.5	20	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	N-Nitrosodimethylamine	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625.1	3.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625.1	1.6	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/9/2020 8:47:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608.3	1	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608.3	1.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608.3	3	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608.3	1.4	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608.3	1.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608.3	0.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608.3	0.8	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608.3	0.06	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608.3	0.05	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608.3	0.062	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Alachlor	n/a	<	1.1	µg/L	EPA 525.2	1.1	5	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Aldrin	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608.3	0.036	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608.3	0.082	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Atrazine	n/a	<	1.7	µg/L	EPA 525.2	1.7	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Azinphos methyl	n/a	<	0.28	µg/L	EPA 525.2m	0.28	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	beta-BHC	n/a	<	0.062	µg/L	EPA 608.3	0.062	0.1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Bolstar	n/a	<	0.23	µg/L	EPA 525.2m	0.23	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Bromacil	n/a	<	1.9	µg/L	EPA 525.2	1.9	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Butachlor	n/a	<	0.85	µg/L	EPA 525.2	0.85	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Captan	n/a	<	43	µg/L	EPA 525.2	43	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608.3	1.6	2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Chlorpropham	n/a	<	0.5	µg/L	EPA 525.2	0.5	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Chlorpyrifos	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Coumaphos	n/a	<	0.26	µg/L	EPA 525.2m	0.26	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Cyanazine	n/a	<	1.2	µg/L	EPA 525.2	1.2	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	delta-BHC	n/a	<	0.05	µg/L	EPA 608.3	0.05	0.1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Demeton-O	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Demeton-S	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Diazinon	n/a	<	4.8	µg/L	EPA 525.2	4.8	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Diazinon	n/a	<	0.26	µg/L	EPA 525.2m	0.26	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Dichlorvos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Dieldrin	n/a	<	0.042	µg/L	EPA 608.3	0.042	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Dimethoate	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Dimethoate	n/a	<	0.31	µg/L	EPA 525.2m	0.31	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Diphenamid	n/a	<	1.2	µg/L	EPA 525.2	1.2	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Disulfoton	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Disulfoton	n/a	<	1.6	µg/L	EPA 525.2	1.6	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608.3	0.034	0.4	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608.3	0.038	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608.3	0.16	1	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Endrin	n/a	<	0.056	µg/L	EPA 608.3	0.056	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608.3	0.06	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	EPTC	n/a	<	0.85	µg/L	EPA 525.2	0.85	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Ethoprop	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Ethyl parathion	n/a	<	0.27	µg/L	EPA 525.2m	0.27	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Fensulfothion	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Fenthion	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608.3	0.042	0.4	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608.3	0.088	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:36:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Heptachlor	n/a	<	0.034	µg/L	EPA 608.3	0.034	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608.3	0.038	0.2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Malathion	n/a	<	0.38	µg/L	EPA 525.2m	0.38	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Merphos	n/a	<	0.29	µg/L	EPA 525.2m	0.29	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608.3	0.11	0.4	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Methyl parathion	n/a	<	0.32	µg/L	EPA 525.2m	0.32	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Metolachlor	n/a	<	0.6	µg/L	EPA 525.2	0.6	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Metribuzin	n/a	<	0.75	µg/L	EPA 525.2	0.75	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Mevinphos	n/a	<	0.21	µg/L	EPA 525.2m	0.21	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Molinate	n/a	<	2	µg/L	EPA 525.2	2	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Naled	n/a	<	0.38	µg/L	EPA 525.2m	0.38	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	Pentachlorophenol	n/a	=	0.24	µg/L	EPA 515.4	0.046	0.2	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/14/2020 12:31:00 AM	Pentachlorophenol	n/a	<	4	µg/L	EPA 625.1	4	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 5:03:00 PM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Phorate	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 12:28:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Prometon	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Prometryn	n/a	<	1.8	µg/L	EPA 525.2	1.8	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Simazine	n/a	<	0.75	µg/L	EPA 525.2	0.75	5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Terbacil	n/a	<	28	µg/L	EPA 525.2	28	100	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Thiobencarb	n/a	<	1.2	µg/L	EPA 525.2	1.2	10	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Tokuthion	n/a	<	0.39	µg/L	EPA 525.2m	0.39	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/15/2020 8:18:00 PM	Toxaphene	n/a	<	20	µg/L	EPA 608.3	20	20	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/20/2020 9:50:00 PM	Trichloronate	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	DG
MO-OJA	2019/20-4	Wet	4/6/2020 8:15:00 AM	4/10/2020 7:14:00 PM	Trithion	n/a	<	0.6	µg/L	EPA 525.2	0.6	5	WKL	DG
MO-OJA	2019/20-5	Dry	4/30/2020 8:10:00 AM	5/1/2020 6:00:00 AM	E. Coli	n/a	=	3255	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2019/20-5	Dry	4/30/2020 8:10:00 AM	5/1/2020 6:00:00 AM	Total Coliform	n/a	=	77010	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/5/2020 1:17:00 AM	Chloride	n/a	=	240	mg/L	EPA 300.0	0.42	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/4/2020 6:43:00 PM	Fluoride	n/a	=	0.53	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/4/2020 8:46:00 PM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/5/2020 1:17:00 AM	Sulfate	Total	=	470	mg/L	EPA 300.0	1.2	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:21:00 PM	Calcium	Total	=	213	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:21:00 PM	Magnesium	Total	=	81.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:21:00 PM	Potassium	Total	=	1.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:21:00 PM	Sodium	Total	=	190	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/7/2020 12:30:00 PM	Alkalinity as CaCO3	n/a	=	350	mg/L	SM 2320 B	0.56	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 4:15:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/5/2020 4:33:00 PM	COD	n/a	=	6.3	mg/L	EPA 410.4	2.9	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	92	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/19/2020 8:25:00 AM	Dissolved Organic Carbon	Dissolved	=	3.5	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:21:00 PM	Hardness as CaCO3	Total	=	866	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/1/2020 4:08:00 PM	MBAS	n/a	DNQ	0.038	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 4:12:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 1:57:00 PM	Specific Conductance	n/a	=	2600	µmhos/cm	SM 2510 B	1.2	10	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/5/2020 6:12:00 PM	Total Dissolved Solids	n/a	=	1600	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 12:37:00 PM	Total Organic Carbon	n/a	=	3.6	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/2/2020 11:05:00 AM	Total Suspended Solids	n/a	DNQ	2	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/1/2020 4:19:00 PM	Turbidity	n/a	=	0.3	NTU	EPA 180.1	0.017	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	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/2/2020 11:05:00 AM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/11/2020 6:15:00 PM	Diesel Range Organics	n/a	DNQ	0.072	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/11/2020 6:15:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Aluminum	Dissolved	DNQ	2.4	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Aluminum	Total	DNQ	4.8	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Antimony	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Antimony	Total	DNQ	0.14	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Arsenic	Dissolved	=	0.61	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Arsenic	Total	=	0.62	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Barium	Total	=	56	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Cadmium	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Cadmium	Total	DNQ	0.044	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Chromium	Dissolved	=	0.25	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Chromium	Total	DNQ	0.18	µg/L	EPA 200.8	0.035	0.2	WKL	UL-MB
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/4/2020 12:39:00 PM	Chromium VI	n/a	=	0.13	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Copper	Dissolved	=	1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Copper	Total	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:18:00 PM	Iron	Dissolved	DNQ	3	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:21:00 PM	Iron	Total	DNQ	9	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Lead	Dissolved	DNQ	0.041	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Lead	Total	DNQ	0.041	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 3:29:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 3:31:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Nickel	Dissolved	=	0.88	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Nickel	Total	=	0.95	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Selenium	Dissolved	=	7.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Selenium	Total	=	8.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Thallium	Dissolved	DNQ	0.018	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:20:00 PM	Zinc	Dissolved	DNQ	3.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 1:47:00 PM	Zinc	Total	DNQ	3.9	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/5/2020 4:17:00 PM	Ammonia as N	n/a	<	0.012	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/5/2020 5:54:00 PM	Nitrate + Nitrite as N	n/a	=	5.2	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:18:00 PM	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/6/2020 9:21:00 PM	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/11/2020 3:34:00 PM	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 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-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Benzenidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Benzo(b)fluoranthene	n/a	<	0.027	µg/L	EPA 8270C	0.027	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.43	µg/L	EPA 625.1	0.18	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Di-n-butylphthalate	n/a	DNQ	0.21	µg/L	EPA 625.1	0.1	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Phenol	n/a	DNQ	0.18	µg/L	EPA 625.1	0.16	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/8/2020 5:44:00 AM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	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	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/7/2020 7:07:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 4:00:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Mevinphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/13/2020 10:16:00 PM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/9/2020 12:38:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/15/2020 10:29:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 8:10:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/12/2020 8:10:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 5:35:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:10:00 AM	5/14/2020 9:27:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/1/2020 8:15:00 AM	Conductivity	n/a	=	2111	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/6/2020 3:07:00 PM	Cyanide	Total	<	0.0003	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/1/2020 8:15:00 AM	DO	n/a	=	9.64	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/1/2020 8:15:00 AM	DO	n/a	=	101.9	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/1/2020 8:15:00 AM	pH	n/a	=	7.68	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/1/2020 8:15:00 AM	Salinity	n/a	=	1300	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/1/2020 8:15:00 AM	Specific Conductance	n/a	=	2451	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/1/2020 8:15:00 AM	Temperature	n/a	=	17.7	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/3/2020 7:35:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-OJA	2019/20-5	Dry	5/1/2020 8:15:00 AM	5/4/2020 2:32:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 3:23:00 AM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 3:23:00 AM	Fluoride	n/a	=	0.13	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/6/2019 3:00:00 AM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 3:23:00 AM	Sulfate	Total	=	15	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Calcium	Total	=	14.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Magnesium	Total	=	4.17	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Potassium	Total	=	4.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Sodium	Total	=	7.9	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-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 11:58:00 AM	Alkalinity as CaCO3	n/a	=	31	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/3/2019 12:09:00 PM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/6/2019 1:02:00 PM	COD	n/a	=	120	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	Conductivity	n/a	=	46	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/3/2019 6:34:00 PM	Cyanide	Total	=	0.005	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	6.2	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	17	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	DO	n/a	=	94.5	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	DO	n/a	=	10.4	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Hardness as CaCO3	Total	=	54.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	pH	n/a	=	6.79	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/3/2019 5:33:00 PM	Phenolics	n/a	DNQ	0.0068	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	Specific Conductance	n/a	=	60.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/4/2019 12:21:00 PM	Specific Conductance	n/a	=	140	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/27/2019 7:30:00 AM	Temperature	n/a	=	11	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	72	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	20	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/2/2019 7:18:00 PM	Total Suspended Solids	n/a	=	280	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 12:28:00 PM	Turbidity	n/a	=	95	NTU	EPA 180.1	0.085	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/2/2019 7:18:00 PM	Volatile Suspended Solids	n/a	=	65	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/9/2020 6:48:00 PM	Diesel Range Organics	n/a	=	0.53	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/9/2019 12:51:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/14/2019 2:06:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	LB-MSR
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/9/2020 6:48:00 PM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Aluminum	Dissolved	=	27	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Aluminum	Total	=	4300	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Antimony	Total	=	3	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Arsenic	Dissolved	=	0.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Barium	Total	=	87	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Cadmium	Dissolved	DNQ	0.084	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Cadmium	Total	=	0.53	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Chromium	Dissolved	=	0.82	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Chromium	Total	=	9.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/3/2019 9:32:00 PM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Copper	Dissolved	=	10	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Copper	Total	=	43	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Iron	Dissolved	=	56	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Iron	Total	=	6100	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 6:45:00 PM	Lead	Dissolved	=	0.25	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 7:22:00 PM	Lead	Total	=	14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 6:16:00 PM	Mercury	Dissolved	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 6:18:00 PM	Mercury	Total	DNQ	40	ng/L	EPA 245.1	17	50	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Nickel	Dissolved	=	3.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Selenium	Dissolved	DNQ	0.39	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Selenium	Total	=	0.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Silver	Total	DNQ	0.063	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Thallium	Total	DNQ	0.073	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:08:00 PM	Zinc	Dissolved	=	80	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/22/2020 4:49:00 PM	Zinc	Total	=	280	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/4/2019 5:22:00 PM	Ammonia as N	n/a	=	0.59	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/3/2019 1:33:00 PM	Nitrate + Nitrite as N	n/a	=	0.58	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Phosphorus as P	Dissolved	=	0.28	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/17/2019 11:45:00 AM	Phosphorus as P	Total	=	0.78	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/3/2019 5:12:00 PM	TKN	n/a	=	2.8	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	1,2,4-Trichlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	1,2-Dichlorobenzene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	1,2-Diphenylhydrazine	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	1,3-Dichlorobenzene	n/a	<	4.2	µg/L	EPA 625.1	4.2	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	1,4-Dichlorobenzene	n/a	<	4.8	µg/L	EPA 625.1	4.8	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	EST-LCSRPD
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2,4-Dinitrophenol	n/a	<	19	µg/L	EPA 625.1	19	100	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 1:45:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625.1	4.5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	3,3'-Dichlorobenzidine	n/a	<	9.9	µg/L	EPA 625.1	9.9	50	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	14	µg/L	EPA 625.1	14	50	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625.1	2.3	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625.1	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-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	4-Nitrophenol	n/a	<	12	µg/L	EPA 625.1	12	50	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Acenaphthylene	n/a	<	1.7	µg/L	EPA 625.1	1.7	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Anthracene	n/a	<	1.2	µg/L	EPA 625.1	1.2	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Benzidine	n/a	<	14	µg/L	EPA 625.1	14	100	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Benzo(a)pyrene	n/a	<	3.9	µg/L	EPA 625.1	3.9	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Benzo(b)fluoranthene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Benzo(g,h,i)perylene	n/a	<	4.2	µg/L	EPA 625.1	4.2	20	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625.1	23	50	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Chrysene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Dibenz(a,h)anthracene	n/a	<	5.3	µg/L	EPA 625.1	5.3	20	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625.1	1.5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Di-n-butylphthalate	n/a	<	1	µg/L	EPA 625.1	1	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Di-n-octylphthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Fluoranthene	n/a	<	0.8	µg/L	EPA 625.1	0.8	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Fluorene	n/a	<	3.5	µg/L	EPA 625.1	3.5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625.1	4.7	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Hexachlorocyclopentadiene	n/a	<	9.8	µg/L	EPA 625.1	9.8	50	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Hexachloroethane	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	5.5	µg/L	EPA 625.1	5.5	20	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Isophorone	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	11/28/2019 1:45:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Naphthalene	n/a	<	4.9	µg/L	EPA 625.1	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-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	N-Nitrosodimethylamine	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625.1	3.2	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Phenol	n/a	<	1.6	µg/L	EPA 625.1	1.6	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Pyrene	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/20/2019 10:36:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	Bentazon	n/a	DNQ	1	µg/L	EPA 515.4	0.23	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	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-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Dichlorvos	n/a	=	0.052	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Fensulfothion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/4/2019 3:59:00 AM	Glyphosate	n/a	=	28	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Malathion	n/a	=	1	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Mevinphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/31/2019 1:26:00 PM	Naled	n/a	DNQ	0.016	µg/L	EPA 525.2m	0.015	0.02	WKL	HB-LCSR
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/10/2019 3:06:00 AM	Pentachlorophenol	n/a	<	4	µg/L	EPA 625.1	4	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	1/10/2020 7:27:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	0.006	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/13/2019 10:23:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Ronnel (Fenclophos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/21/2019 2:40:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/5/2019 1:39:00 AM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-OXN	2019/20-1	Wet	11/27/2019 7:30:00 AM	12/12/2019 3:02:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	1274	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/16/2020 10:05:00 PM	Conductivity	n/a	=	60.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/29/2020 6:17:00 PM	Cyanide	Total	=	0.0024	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/16/2020 10:05:00 PM	DO	n/a	=	93.6	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/16/2020 10:05:00 PM	DO	n/a	=	9.76	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/16/2020 10:05:00 PM	pH	n/a	=	7.5	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/16/2020 10:05:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/16/2020 10:05:00 PM	Specific Conductance	n/a	=	78.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/16/2020 10:05:00 PM	Temperature	n/a	=	12.9	°C	Field Meter	-88	0.1	Field Crew	EST
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/20/2020 1:50:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/17/2020 9:36:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 10:05:00 PM	1/17/2020 9:36:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 7:48:00 PM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 7:48:00 PM	Fluoride	n/a	=	0.11	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 12:30:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 7:48:00 PM	Sulfate	Total	=	17	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:32:00 PM	Calcium	Total	=	11.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:32:00 PM	Magnesium	Total	=	2.22	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:32:00 PM	Potassium	Total	=	3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:32:00 PM	Sodium	Total	=	7.8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 1:31:00 PM	Alkalinity as CaCO3	n/a	=	17	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 5:17:00 PM	BOD	n/a	=	23	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 11:09:00 AM	COD	n/a	=	100	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.4	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	27	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:32:00 PM	Hardness as CaCO3	Total	=	37.8	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.39	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 5:27:00 PM	Phenolics	n/a	=	0.015	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 12:04:00 PM	Specific Conductance	n/a	=	130	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	150	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 4:26:00 PM	Total Organic Carbon	n/a	=	30	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	74	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/17/2020 6:37:00 PM	Turbidity	n/a	=	36	NTU	EPA 180.1	0.017	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	20	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 6:31:00 AM	Diesel Range Organics	n/a	=	0.7	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 6:31:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Aluminum	Dissolved	=	41	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Aluminum	Total	=	850	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Antimony	Dissolved	=	1.4	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Antimony	Total	=	2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Arsenic	Dissolved	=	0.78	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-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Arsenic	Total	=	1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Barium	Total	=	28	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Cadmium	Dissolved	DNQ	0.092	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Chromium	Dissolved	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Chromium	Total	=	2.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 3:05:00 PM	Chromium VI	n/a	=	0.8	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Copper	Total	=	22	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:18:00 PM	Iron	Dissolved	=	81	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:32:00 PM	Iron	Total	=	1300	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Lead	Dissolved	=	0.47	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Lead	Total	=	3.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 11:46:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 11:48:00 AM	Mercury	Total	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Nickel	Total	=	5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Selenium	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Selenium	Total	=	0.47	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Thallium	Total	DNQ	0.018	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 8:50:00 PM	Zinc	Dissolved	=	94	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 9:32:00 PM	Zinc	Total	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 2:48:00 PM	Ammonia as N	n/a	=	1	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 12:54:00 PM	Nitrate + Nitrite as N	n/a	=	0.5	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:18:00 PM	Phosphorus as P	Dissolved	=	0.13	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/3/2020 4:32:00 PM	Phosphorus as P	Total	=	0.35	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 4:37:00 PM	TKN	n/a	=	2.8	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	LB-LCSR
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	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	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Benzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.73	µg/L	EPA 625.1	0.36	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	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	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Di-n-butylphthalate	n/a	DNQ	0.4	µg/L	EPA 625.1	0.2	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 2:35:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	2,4-DB	n/a	<	6	µg/L	EPA 515.4	6	6	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	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-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	Bentazon	n/a	=	3.2	µg/L	EPA 515.4	0.23	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	DCCA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	Dicamba	n/a	DNQ	0.078	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Dichlorvos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Fensulfothion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 4:15:00 PM	Glyphosate	n/a	=	31	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Malathion	n/a	=	0.086	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	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	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Mevinphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Naled	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 10:39:00 AM	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 5:39:00 AM	Pentachlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	2	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	0.006	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 2:22:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 3:08:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 7:39:00 AM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-OXN	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 1:28:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/11/2020 2:30:00 PM	E. Coli	n/a	=	298700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/11/2020 2:30:00 PM	Total Coliform	n/a	=	248100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/10/2020 11:05:00 AM	Conductivity	n/a	=	621	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/21/2020 12:21:00 PM	Cyanide	Total	=	0.011	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/10/2020 11:05:00 AM	DO	n/a	=	7.99	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/10/2020 11:05:00 AM	DO	n/a	=	84	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/10/2020 11:05:00 AM	pH	n/a	=	7.89	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/10/2020 11:05:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/10/2020 11:05:00 AM	Specific Conductance	n/a	=	729	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/10/2020 11:05:00 AM	Temperature	n/a	=	17.2	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/17/2020 12:49:00 AM	Gasoline Range Organics	n/a	DNQ	0.08	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/20/2020 2:33:00 PM	Oil and Grease	n/a	DNQ	1.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/11/2020 9:18:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-OXN	2019/20-3	Wet	3/10/2020 11:05:00 AM	3/11/2020 9:18:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/13/2020 2:50:00 AM	Chloride	n/a	=	6.2	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/13/2020 2:50:00 AM	Fluoride	n/a	DNQ	0.085	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/12/2020 9:59:00 PM	Perchlorate	n/a	DNQ	4.4	µg/L	EPA 314.0	4.2	10	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/13/2020 2:50:00 AM	Sulfate	Total	=	14	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:28:00 PM	Calcium	Total	=	14.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:28:00 PM	Magnesium	Total	=	4.03	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:28:00 PM	Potassium	Total	=	3.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:28:00 PM	Sodium	Total	=	5.4	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/16/2020 1:40:00 PM	Alkalinity as CaCO3	n/a	=	30	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 5:07:00 PM	BOD	n/a	=	23	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 11:49:00 AM	COD	n/a	=	180	mg/L	EPA 410.4	2.9	5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/24/2020 2:40:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4.9	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/31/2020 2:59:00 PM	Dissolved Organic Carbon	Dissolved	=	15	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:28:00 PM	Hardness as CaCO3	Total	=	52.1	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-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/12/2020 3:39:00 PM	MBAS	n/a	=	0.22	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 3:54:00 PM	Phenolics	n/a	DNQ	0.0067	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/13/2020 3:45:00 PM	Specific Conductance	n/a	=	110	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/13/2020 5:40:00 PM	Total Dissolved Solids	n/a	=	78	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/13/2020 4:28:00 PM	Total Organic Carbon	n/a	=	18	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/13/2020 6:35:00 PM	Total Suspended Solids	n/a	=	560	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/12/2020 12:57:00 PM	Turbidity	n/a	=	60	NTU	EPA 180.1	0.034	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/13/2020 4:41:00 PM	Volatile Suspended Solids	n/a	=	140	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 1:11:00 AM	Diesel Range Organics	n/a	=	0.89	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 1:11:00 AM	Oil Range Organics	n/a	=	1.6	mg/L	EPA 8015D	0.66	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Aluminum	Dissolved	=	27	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Aluminum	Total	=	4900	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Antimony	Dissolved	=	0.88	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Antimony	Total	=	3.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Arsenic	Dissolved	=	0.76	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Barium	Total	=	90	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Beryllium	Total	=	0.19	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Cadmium	Dissolved	DNQ	0.063	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Cadmium	Total	=	0.56	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Chromium	Dissolved	=	0.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Chromium	Total	=	10	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/12/2020 1:29:00 PM	Chromium VI	n/a	=	0.56	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Copper	Dissolved	=	7.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Copper	Total	=	43	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:25:00 PM	Iron	Dissolved	=	66	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:28:00 PM	Iron	Total	=	7200	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Lead	Dissolved	=	0.25	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Lead	Total	=	15	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/16/2020 11:24:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/16/2020 11:26:00 AM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Nickel	Dissolved	=	2.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Nickel	Total	=	12	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Selenium	Dissolved	DNQ	0.37	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Selenium	Total	=	0.62	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Silver	Total	DNQ	0.079	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Thallium	Total	DNQ	0.078	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 5:00:00 PM	Zinc	Dissolved	=	51	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 6:04:00 PM	Zinc	Total	=	300	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 4:41:00 PM	Ammonia as N	n/a	=	0.34	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/12/2020 11:53:00 AM	Nitrate + Nitrite as N	n/a	=	0.56	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:25:00 PM	Phosphorus as P	Dissolved	=	0.069	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/20/2020 1:28:00 PM	Phosphorus as P	Total	=	0.61	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/16/2020 5:27:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	1,2,4-Trichlorobenzene	n/a	<	9.8	µg/L	EPA 625.1	9.8	20	WKL	

Appendix G  
Laboratory Environmental 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	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	1,2-Dichlorobenzene	n/a	<	9.2	µg/L	EPA 625.1	9.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	1,2-Diphenylhydrazine	n/a	<	6	µg/L	EPA 625.1	6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	1,3-Dichlorobenzene	n/a	<	8.4	µg/L	EPA 625.1	8.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	1,4-Dichlorobenzene	n/a	<	9.6	µg/L	EPA 625.1	9.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	1-Methylnaphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	2,4,5-Trichlorophenol	n/a	<	5.8	µg/L	EPA 8270C	5.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	2,4,6-Trichlorophenol	n/a	<	6	µg/L	EPA 8270C	6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2,4,6-Trichlorophenol	n/a	<	4.4	µg/L	EPA 625.1	4.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	2,4-Dichlorophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2,4-Dichlorophenol	n/a	<	5.2	µg/L	EPA 625.1	5.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2,4-Dimethylphenol	n/a	<	6	µg/L	EPA 625.1	6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	2,4-Dimethylphenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2,4-Dinitrophenol	n/a	<	37	µg/L	EPA 625.1	37	200	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	2,4-Dinitrophenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2,4-Dinitrotoluene	n/a	<	3.6	µg/L	EPA 625.1	3.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2,6-Dinitrotoluene	n/a	<	5.4	µg/L	EPA 625.1	5.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2-Chloronaphthalene	n/a	<	9	µg/L	EPA 625.1	9	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2-Chlorophenol	n/a	<	5.6	µg/L	EPA 625.1	5.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	2-Chlorophenol	n/a	<	13	µg/L	EPA 8270C	13	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	2-Methylnaphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	2-Methylphenol	n/a	<	6.8	µg/L	EPA 8270C	6.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	2-Nitrophenol	n/a	<	14	µg/L	EPA 8270C	14	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	2-Nitrophenol	n/a	<	5.2	µg/L	EPA 625.1	5.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	3,3'-Dichlorobenzidine	n/a	<	20	µg/L	EPA 625.1	20	100	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	3-/4-Methylphenol	n/a	<	6	µg/L	EPA 8270C	6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	28	µg/L	EPA 625.1	28	100	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 8270C	2.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	4-Bromophenyl phenyl ether	n/a	<	7.2	µg/L	EPA 625.1	7.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	4-Chloro-3-methylphenol	n/a	<	7.4	µg/L	EPA 8270C	7.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	4-Chloro-3-methylphenol	n/a	<	4.6	µg/L	EPA 625.1	4.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	4-Chlorophenyl phenyl ether	n/a	<	8.2	µg/L	EPA 625.1	8.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	4-Nitrophenol	n/a	<	25	µg/L	EPA 625.1	25	100	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	4-Nitrophenol	n/a	<	20	µg/L	EPA 8270C	20	40	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Acenaphthene	n/a	<	7.6	µg/L	EPA 625.1	7.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Acenaphthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Acenaphthylene	n/a	<	3.4	µg/L	EPA 625.1	3.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Acenaphthylene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Anthracene	n/a	<	2.4	µg/L	EPA 625.1	2.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Benz(a)anthracene	n/a	<	3.8	µg/L	EPA 625.1	3.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Benz(a)anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Benzidine	n/a	<	29	µg/L	EPA 625.1	29	200	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Benzo(a)pyrene	n/a	<	7.8	µg/L	EPA 625.1	7.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Benzo(b)fluoranthene	n/a	<	9.2	µg/L	EPA 625.1	9.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Benzo(b)fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Benzo(g,h,i)perylene	n/a	<	2	µg/L	EPA 8270C	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-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Benzo(g,h,i)perylene	n/a	<	8.4	µg/L	EPA 625.1	8.4	40	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Benzo(k)fluoranthene	n/a	<	4.4	µg/L	EPA 625.1	4.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Benzo(k)fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Bis(2-chloroethoxy)methane	n/a	<	5	µg/L	EPA 625.1	5	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Bis(2-chloroethyl)ether	n/a	<	5.4	µg/L	EPA 625.1	5.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	7.6	µg/L	EPA 625.1	7.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	1.7	µg/L	EPA 525.2	1	50	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	46	µg/L	EPA 625.1	46	100	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Butyl benzyl phthalate	n/a	DNQ	8	µg/L	EPA 625.1	3.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Chrysene	n/a	<	3.8	µg/L	EPA 625.1	3.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Chrysene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Dibenz(a,h)anthracene	n/a	<	11	µg/L	EPA 625.1	11	40	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Dibenz(a,h)anthracene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Diethyl phthalate	n/a	<	3	µg/L	EPA 625.1	3	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Dimethyl phthalate	n/a	<	3.6	µg/L	EPA 625.1	3.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Di-n-butylphthalate	n/a	DNQ	4.3	µg/L	EPA 625.1	2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Di-n-octylphthalate	n/a	<	9.2	µg/L	EPA 625.1	9.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Fluoranthene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Fluoranthene	n/a	DNQ	2.4	µg/L	EPA 625.1	1.6	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Fluorene	n/a	<	7	µg/L	EPA 625.1	7	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Fluorene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Hexachlorobenzene	n/a	<	9.8	µg/L	EPA 625.1	9.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Hexachlorobutadiene	n/a	<	9.4	µg/L	EPA 625.1	9.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Hexachlorocyclopentadiene	n/a	<	20	µg/L	EPA 625.1	20	100	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Hexachloroethane	n/a	<	10	µg/L	EPA 625.1	10	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	11	µg/L	EPA 625.1	11	40	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Isophorone	n/a	<	4.2	µg/L	EPA 625.1	4.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Naphthalene	n/a	<	9.8	µg/L	EPA 625.1	9.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Naphthalene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Nitrobenzene	n/a	<	7.2	µg/L	EPA 625.1	7.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	N-Nitrosodimethylamine	n/a	<	10	µg/L	EPA 625.1	10	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	N-Nitrosodi-N-propylamine	n/a	<	5.2	µg/L	EPA 625.1	5.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	N-Nitrosodiphenylamine	n/a	<	3.8	µg/L	EPA 625.1	3.8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Phenanthrene	n/a	<	6.4	µg/L	EPA 625.1	6.4	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Phenanthrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Phenol	n/a	<	3.2	µg/L	EPA 625.1	3.2	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 AM	Phenol	n/a	<	7	µg/L	EPA 8270C	7	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 9:17:00 PM	Pyrene	n/a	<	2	µg/L	EPA 8270C	2	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Pyrene	n/a	<	5	µg/L	EPA 625.1	5	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Fensulfthion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/12/2020 6:29:00 PM	Glyphosate	n/a	=	41	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	4/1/2020 4:52:00 AM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/18/2020 8:03:00 PM	Pentachlorophenol	n/a	<	8	µg/L	EPA 625.1	8	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 3:59:00 PM	Pentachlorophenol	n/a	<	3	µg/L	EPA 8270C	3	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/17/2020 10:50:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Prometryn	n/a	DNQ	0.47	µg/L	EPA 525.2	0.36	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Ronnel (Fenclorophos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 1:39:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/25/2020 12:51:00 AM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-OXN	2019/20-3	Wet	3/11/2020 9:55:00 AM	3/19/2020 8:48:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/1/2020 2:00:00 PM	Chloride	n/a	=	2800	mg/L	EPA 300.0	4.2	25	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 5:31:00 AM	Fluoride	n/a	=	2	mg/L	EPA 300.0	0.072	0.8	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 10:32:00 PM	Perchlorate	n/a	=	290	µg/L	EPA 314.0	4.2	10	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 5:31:00 AM	Sulfate	Total	=	1300	mg/L	EPA 300.0	1.9	4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 2:13:00 PM	Calcium	Total	=	962	mg/L	EPA 200.7	0.8	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 4:47:00 PM	Magnesium	Total	=	175	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 2:13:00 PM	Potassium	Total	=	210	mg/L	EPA 200.7	4	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 2:13:00 PM	Sodium	Total	=	3300	mg/L	EPA 200.7	0.75	25	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/5/2020 12:55:00 PM	Alkalinity as CaCO3	n/a	=	65	mg/L	SM 2320 B	0.56	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 11:42:00 AM	BOD	n/a	=	3.4	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/5/2020 4:31:00 PM	COD	n/a	DNQ	3.6	mg/L	EPA 410.4	2.9	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	13	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/1/2020 10:20:00 AM	Dissolved Organic Carbon	Dissolved	=	8.9	mg/L	SM 5310 B	0.016	0.1	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 4:47:00 PM	Hardness as CaCO3	Total	=	3120	mg/L	EPA 200.7	2.05	12.9	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/29/2020 3:26:00 PM	MBAS	n/a	=	0.08	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 4:20:00 PM	Phenolics	n/a	<	0.021	mg/L	EPA 420.4	0.021	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/1/2020 1:16:00 PM	Specific Conductance	n/a	=	24000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 4:25:00 PM	Total Dissolved Solids	n/a	=	14000	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/11/2020 3:18:00 PM	Total Organic Carbon	n/a	=	8.8	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/1/2020 1:53:00 PM	Total Suspended Solids	n/a	=	8	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/29/2020 2:05:00 PM	Turbidity	n/a	=	1.6	NTU	EPA 180.1	0.017	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/1/2020 1:53:00 PM	Volatile Suspended Solids	n/a	=	5	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/6/2020 10:41:00 PM	Diesel Range Organics	n/a	=	0.18	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/6/2020 10:41:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Aluminum	Dissolved	=	11	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Aluminum	Total	=	22	µg/L	EPA 200.8	1.3	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Antimony	Dissolved	=	2.3	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Antimony	Total	=	2.3	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Arsenic	Dissolved	=	7.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Arsenic	Total	=	7.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Barium	Total	=	490	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Cadmium	Dissolved	=	1.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Cadmium	Total	=	1.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Chromium	Dissolved	=	4.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Chromium	Total	=	4.3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/29/2020 4:40:00 PM	Chromium VI	n/a	=	3.6	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Copper	Dissolved	=	21	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Copper	Total	=	22	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 1:26:00 PM	Iron	Dissolved	DNQ	7	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 4:47:00 PM	Iron	Total	=	21	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Lead	Dissolved	=	0.26	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Lead	Total	=	0.35	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/1/2020 1:27:00 PM	Mercury	Dissolved	DNQ	31	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/1/2020 1:29:00 PM	Mercury	Total	DNQ	46	ng/L	EPA 245.1	17	50	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Nickel	Dissolved	=	4.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Nickel	Total	=	4.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Selenium	Dissolved	=	17	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Selenium	Total	=	17	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Silver	Total	DNQ	0.069	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Thallium	Dissolved	DNQ	0.087	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Thallium	Total	DNQ	0.06	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:47:00 PM	Zinc	Dissolved	=	53	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 12:52:00 PM	Zinc	Total	=	54	µg/L	EPA 200.8	0.94	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 2:30:00 PM	Ammonia as N	n/a	DNQ	0.097	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/29/2020 5:10:00 PM	Nitrate + Nitrite as N	n/a	=	30	mg/L	EPA 353.2	0.18	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 1:26:00 PM	Phosphorus as P	Dissolved	=	0.86	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/4/2020 4:47:00 PM	Phosphorus as P	Total	=	0.9	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/6/2020 5:14:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.018	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Benzo(b)fluoranthene	n/a	DNQ	0.028	µg/L	EPA 8270C	0.027	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.54	µg/L	EPA 625.1	0.18	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Diethyl phthalate	n/a	DNQ	0.23	µg/L	EPA 625.1	0.15	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Di-n-butylphthalate	n/a	DNQ	0.26	µg/L	EPA 625.1	0.1	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Fluoranthene	n/a	DNQ	0.043	µg/L	EPA 8270C	0.039	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 4:33:00 AM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Atrazine	n/a	DNQ	0.048	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	Dalapon	n/a	=	8.4	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Diazinon	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.2	WKL	DF
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	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
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/1/2020 5:32:00 PM	Glyphosate	n/a	=	38	µg/L	EPA 547	9	25	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Metribuzin	n/a	DNQ	0.061	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Meviphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/13/2020 9:16:00 PM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/8/2020 11:39:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/2/2020 5:39:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Prometryn	n/a	DNQ	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Simazine	n/a	DNQ	0.06	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.1	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/12/2020 12:58:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	5/14/2020 3:16:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	Q
MO-OXN	2019/20-5	Dry	4/28/2020 10:45:00 AM	4/30/2020 11:40:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 1:53:00 AM	Chloride	n/a	=	430	mg/L	EPA 300.0	0.85	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 1:53:00 AM	Fluoride	n/a	=	2.9	mg/L	EPA 300.0	0.09	1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/6/2019 1:40:00 AM	Perchlorate	n/a	DNQ	1.3	µg/L	EPA 314.0	0.84	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 7:16:00 AM	Sulfate	Total	=	1800	mg/L	EPA 300.0	4.8	10	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Calcium	Total	=	79.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Magnesium	Total	=	21.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Potassium	Total	=	7.5	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Sodium	Total	=	47	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 11:35:00 AM	Alkalinity as CaCO3	n/a	=	140	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/3/2019 11:59:00 AM	BOD	n/a	=	57	mg/L	SM 5210 B	2	2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/6/2019 12:52:00 PM	COD	n/a	=	180	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/27/2019 9:00:00 AM	Conductivity	n/a	=	193.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/4/2019 5:58:00 PM	Cyanide	Total	=	0.0082	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	15	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	31	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/27/2019 9:00:00 AM	DO	n/a	=	8.72	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/27/2019 9:00:00 AM	DO	n/a	=	84.6	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Hardness as CaCO3	Total	=	287	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.31	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/27/2019 9:00:00 AM	pH	n/a	=	7.95	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/3/2019 5:33:00 PM	Phenolics	n/a	=	0.032	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/27/2019 9:00:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/27/2019 9:00:00 AM	Specific Conductance	n/a	=	263.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/4/2019 12:13:00 PM	Specific Conductance	n/a	=	780	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/27/2019 9:00:00 AM	Temperature	n/a	=	11.1	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	560	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	38	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/4/2019 1:18:00 AM	Total Suspended Solids	n/a	=	2400	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/28/2019 12:09:00 PM	Turbidity	n/a	=	250	NTU	EPA 180.1	0.17	1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/4/2019 1:18:00 PM	Volatile Suspended Solids	n/a	=	380	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 5:39:00 PM	Diesel Range Organics	n/a	=	1.5	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/9/2019 9:00:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/14/2019 2:27:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 5:39:00 PM	Oil Range Organics	n/a	DNQ	0.88	mg/L	EPA 8015D	0.66	1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/22/2020 3:00:00 PM	Aluminum	Dissolved	=	7.3	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/22/2020 4:07:00 PM	Aluminum	Total	=	1500	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/22/2020 3:00:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/22/2020 4:07:00 PM	Antimony	Total	=	1.8	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Arsenic	Dissolved	=	2.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Arsenic	Total	=	4.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Barium	Total	=	56	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/22/2020 3:00:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/22/2020 4:07:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/22/2020 3:00:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/22/2020 4:07:00 PM	Cadmium	Total	=	1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Chromium	Dissolved	=	0.44	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Chromium	Total	=	4.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/3/2019 8:56:00 PM	Chromium VI	n/a	DNQ	0.042	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Copper	Dissolved	=	6.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Copper	Total	=	35	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Iron	Dissolved	=	63	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Iron	Total	=	3700	µg/L	EPA 200.7	1.1	10	WKL	HB-MSR
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Lead	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/17/2019 6:08:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/17/2019 6:10:00 PM	Mercury	Total	DNQ	43	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Nickel	Dissolved	=	6.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Nickel	Total	=	14	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-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Selenium	Dissolved	=	2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Selenium	Total	=	2.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Thallium	Total	DNQ	0.03	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 4:34:00 AM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:21:00 AM	Zinc	Total	=	130	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/4/2019 5:17:00 PM	Ammonia as N	n/a	=	1.3	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/3/2019 1:31:00 PM	Nitrate + Nitrite as N	n/a	=	0.54	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Phosphorus as P	Dissolved	=	0.18	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/9/2020 3:10:00 PM	Phosphorus as P	Total	=	0.82	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/3/2019 5:07:00 PM	TKN	n/a	=	5	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2,4-Dinitrophenol	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/28/2019 3:18:00 AM	11/28/2019 3:18:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Benzo(a)pyrene	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Di-n-butylphthalate	n/a	<	0.5	µg/L	EPA 625.1	0.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	11/28/2019 3:18:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	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	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/20/2019 7:27:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	2,4-D	n/a	<	0.73	µg/L	EPA 515.4	0.73	0.73	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Azinphos methyl	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	Bentazon	n/a	=	3.5	µg/L	EPA 515.4	0.23	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Bolstar	n/a	<	0.092	µg/L	EPA 525.2m	0.092	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Chlorpyrifos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Coumaphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	DCPA (Dacthal)	n/a	=	0.15	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Demeton-O	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Demeton-S	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Diazinon	n/a	<	0.1	µg/L	EPA 525.2m	0.1	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-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	Dicamba	n/a	=	0.92	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Dichlorvos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Disulfoton	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Ethoprop	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Ethyl parathion	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Fensulfothion	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Fenthion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/4/2019 3:22:00 AM	Glyphosate	n/a	=	28	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Malathion	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Merphos	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Methyl parathion	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Mevinphos	n/a	<	0.084	µg/L	EPA 525.2m	0.084	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Naled	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	Pentachlorophenol	n/a	=	0.54	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/10/2019 1:35:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	1/10/2020 6:00:00 AM	Pentachlorophenol	n/a	DNQ	3.4	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Phorate	n/a	<	0.06	µg/L	EPA 525.2m	0.06	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/13/2019 6:46:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Ronnel (Fenclorophos)	n/a	<	0.082	µg/L	EPA 525.2m	0.082	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Tokuthion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/21/2019 1:09:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/5/2019 12:14:00 AM	Trichloronate	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-SIM	2019/20-1	Wet	11/27/2019 9:00:00 AM	12/12/2019 1:41:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/17/2020 8:00:00 PM	E. Coli	n/a	=	4611	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/17/2020 8:00:00 PM	Total Coliform	n/a	=	120330	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/16/2020 11:30:00 PM	Conductivity	n/a	=	129.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/29/2020 6:32:00 PM	Cyanide	Total	=	0.002	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/16/2020 11:30:00 PM	DO	n/a	=	7.74	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/16/2020 11:30:00 PM	DO	n/a	=	68.9	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/16/2020 11:30:00 PM	pH	n/a	=	7.65	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/16/2020 11:30:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/16/2020 11:30:00 PM	Specific Conductance	n/a	=	179.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/16/2020 11:30:00 PM	Temperature	n/a	=	10.1	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/20/2020 4:05:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/17/2020 11:10:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:30:00 PM	1/17/2020 11:10:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 6:54:00 PM	Chloride	n/a	=	40	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 6:54:00 PM	Fluoride	n/a	=	0.14	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 11:35:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 6:01:00 PM	Sulfate	Total	=	200	mg/L	EPA 300.0	0.72	1.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 6:12:00 PM	Calcium	Total	=	65.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 6:12:00 PM	Magnesium	Total	=	19.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 6:12:00 PM	Potassium	Total	=	3.3	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 6:12:00 PM	Sodium	Total	=	43	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 1:05:00 PM	Alkalinity as CaCO3	n/a	=	71	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 5:03:00 PM	BOD	n/a	=	22	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 11:08:00 AM	COD	n/a	=	54	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	17	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	16	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 6:12:00 PM	Hardness as CaCO3	Total	=	243	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.23	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 5:27:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 11:58:00 AM	Specific Conductance	n/a	=	710	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	600	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	17	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	330	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/17/2020 6:32:00 PM	Turbidity	n/a	=	28	NTU	EPA 180.1	0.017	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	60	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 5:22:00 AM	Diesel Range Organics	n/a	=	0.86	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 5:22:00 AM	Oil Range Organics	n/a	<	0.66	mg/L	EPA 8015D	0.66	1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Aluminum	Dissolved	=	8.3	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Aluminum	Total	=	370	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Antimony	Dissolved	=	0.98	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Arsenic	Dissolved	=	0.94	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Arsenic	Total	=	1.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Barium	Total	=	20	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-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Cadmium	Dissolved	DNQ	0.045	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Chromium	Dissolved	=	0.95	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Chromium	Total	=	1.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 2:30:00 PM	Chromium VI	n/a	=	0.74	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Copper	Dissolved	=	7.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Copper	Total	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 6:15:00 PM	Iron	Dissolved	=	35	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 6:12:00 PM	Iron	Total	=	890	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Lead	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Lead	Total	=	2.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 5:04:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/21/2020 5:06:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Nickel	Total	=	3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Selenium	Dissolved	=	4.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Selenium	Total	=	4.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Thallium	Total	DNQ	0.019	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 7:23:00 PM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/4/2020 9:02:00 PM	Zinc	Total	=	37	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/22/2020 2:36:00 PM	Ammonia as N	n/a	=	0.7	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 12:47:00 PM	Nitrate + Nitrite as N	n/a	=	1.7	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/31/2020 5:57:00 PM	Phosphorus as P	Dissolved	=	0.066	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/5/2020 9:57:00 PM	Phosphorus as P	Total	=	0.24	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/29/2020 4:33:00 PM	TKN	n/a	=	2	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	LB-LCSR
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	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-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	4,6-Dinitro-2-methylphenol	n/a	DNQ	0.96	µg/L	EPA 8270C	0.28	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Benzenzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Butyl benzyl phthalate	n/a	DNQ	1	µg/L	EPA 625.1	0.36	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Di-n-butylphthalate	n/a	DNQ	0.54	µg/L	EPA 625.1	0.2	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-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/30/2020 12:51:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	2,4-DB	n/a	<	2.2	µg/L	EPA 515.4	2.2	2.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	Bentazon	n/a	DNQ	1.2	µg/L	EPA 515.4	0.23	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	DPCA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/20/2020 3:26:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Malathion	n/a	=	0.017	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Meviphos	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-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/1/2020 4:10:00 AM	Pentachlorophenol	n/a	DNQ	0.42	µg/L	EPA 8270C	0.3	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/6/2020 9:08:00 AM	Pentachlorophenol	n/a	DNQ	1.1	µg/L	EPA 625.1	0.8	2	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/25/2020 12:33:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Prometryn	n/a	DNQ	0.2	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	2/19/2020 2:07:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/28/2020 6:15:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2019/20-2	Wet	1/16/2020 11:35:00 PM	1/24/2020 7:37:00 PM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/11/2020 1:45:00 PM	E. Coli	n/a	=	62400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/11/2020 1:45:00 PM	Total Coliform	n/a	=	410600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/10/2020 10:45:00 AM	Conductivity	n/a	=	1468	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/21/2020 12:31:00 PM	Cyanide	Total	=	0.0046	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/10/2020 10:45:00 AM	DO	n/a	=	98.7	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/10/2020 10:45:00 AM	DO	n/a	=	9.72	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/10/2020 10:45:00 AM	pH	n/a	=	7.38	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/10/2020 10:45:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/10/2020 10:45:00 AM	Specific Conductance	n/a	=	1763	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/10/2020 10:45:00 AM	Temperature	n/a	=	16.3	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/17/2020 2:14:00 AM	Gasoline Range Organics	n/a	DNQ	0.07	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/18/2020 7:24:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/11/2020 10:28:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-SIM	2019/20-3	Wet	3/10/2020 10:45:00 AM	3/11/2020 10:28:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 2:32:00 AM	Chloride	n/a	=	110	mg/L	EPA 300.0	0.17	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 2:32:00 AM	Fluoride	n/a	=	0.35	mg/L	EPA 300.0	0.018	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 9:32:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 6:43:00 AM	Sulfate	Total	=	550	mg/L	EPA 300.0	1.4	3	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:22:00 PM	Calcium	Total	=	166	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:22:00 PM	Magnesium	Total	=	56.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:22:00 PM	Potassium	Total	=	5.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:22:00 PM	Sodium	Total	=	120	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/16/2020 1:33:00 PM	Alkalinity as CaCO3	n/a	=	170	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 5:04:00 PM	BOD	n/a	=	29	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 11:59:00 AM	COD	n/a	=	76	mg/L	EPA 410.4	2.9	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/24/2020 2:40:00 PM	Dissolved Inorganic Carbon	Dissolved	=	37	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/31/2020 2:59:00 PM	Dissolved Organic Carbon	Dissolved	=	17	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:22:00 PM	Hardness as CaCO3	Total	=	648	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 3:39:00 PM	MBAS	n/a	=	0.25	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 3:54:00 PM	Phenolics	n/a	DNQ	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 3:38:00 PM	Specific Conductance	n/a	=	1700	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 5:40:00 PM	Total Dissolved Solids	n/a	=	1200	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 4:28:00 PM	Total Organic Carbon	n/a	=	19	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 6:35:00 PM	Total Suspended Solids	n/a	=	520	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 12:55:00 PM	Turbidity	n/a	=	30	NTU	EPA 180.1	0.017	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/13/2020 4:41:00 PM	Volatile Suspended Solids	n/a	=	120	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 12:36:00 AM	Diesel Range Organics	n/a	=	0.65	mg/L	EPA 8015D	0.024	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 12:36:00 AM	Oil Range Organics	n/a	DNQ	0.34	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Aluminum	Dissolved	=	11	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Aluminum	Total	=	930	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Antimony	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Antimony	Total	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Arsenic	Dissolved	=	2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Arsenic	Total	=	2.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Barium	Total	=	28	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Beryllium	Total	DNQ	0.04	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Cadmium	Dissolved	DNQ	0.053	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Cadmium	Total	=	0.19	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Chromium	Dissolved	=	1.1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Chromium	Total	=	3	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 1:17:00 PM	Chromium VI	n/a	=	0.75	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Copper	Dissolved	=	5.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Copper	Total	=	12	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:19:00 PM	Iron	Dissolved	=	46	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:22:00 PM	Iron	Total	=	1500	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	UL-MB
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Lead	Total	=	2.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/16/2020 11:11:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/16/2020 11:13:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Nickel	Total	=	5.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Selenium	Dissolved	=	15	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Selenium	Total	=	15	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Thallium	Dissolved	DNQ	0.017	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 4:56:00 PM	Zinc	Dissolved	=	15	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 6:29:00 PM	Zinc	Total	=	43	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 4:39:00 PM	Ammonia as N	n/a	=	0.26	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 11:52:00 AM	Nitrate + Nitrite as N	n/a	=	4.5	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:19:00 PM	Phosphorus as P	Dissolved	=	0.024	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/20/2020 1:22:00 PM	Phosphorus as P	Total	=	0.23	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/16/2020 5:25:00 PM	TKN	n/a	=	1.7	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	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-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Benzenzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	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-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.84	µg/L	EPA 625.1	0.36	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Di-n-butylphthalate	n/a	DNQ	0.52	µg/L	EPA 625.1	0.2	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Fluoranthene	n/a	DNQ	0.25	µg/L	EPA 625.1	0.16	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:43:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	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-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	2,4-D	n/a	<	1.5	µg/L	EPA 515.4	1.5	1.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 8:40:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	Dicamba	n/a	=	0.99	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Dichlorvos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	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	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/12/2020 6:17:00 PM	Glyphosate	n/a	=	27	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Malathion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	4/1/2020 4:29:00 AM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 3:29:00 AM	Pentachlorophenol	n/a	DNQ	0.46	µg/L	EPA 8270C	0.3	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/18/2020 7:33:00 PM	Pentachlorophenol	n/a	DNQ	1.2	µg/L	EPA 625.1	0.8	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	Pentachlorophenol	n/a	=	0.43	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/17/2020 10:24:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 1:08:00 AM	Toxaphene	n/a	<	5	µg/L	EPA 608.3	5	5	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/25/2020 12:27:00 AM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-SIM	2019/20-3	Wet	3/11/2020 8:40:00 AM	3/19/2020 8:21:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/13/2020 7:00:00 AM	E. Coli	n/a	=	20	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/13/2020 7:00:00 AM	Total Coliform	n/a	=	1725	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/12/2020 9:00:00 AM	Conductivity	n/a	=	1808	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/21/2020 4:15:00 PM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/12/2020 9:00:00 AM	DO	n/a	=	108.3	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/12/2020 9:00:00 AM	DO	n/a	=	9.99	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/12/2020 9:00:00 AM	pH	n/a	=	7.98	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/12/2020 9:00:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/12/2020 9:00:00 AM	Specific Conductance	n/a	=	2065	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/12/2020 9:00:00 AM	Temperature	n/a	=	19.4	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/17/2020 10:48:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/12/2020 9:00:00 AM	5/22/2020 10:52:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/14/2020 4:08:00 PM	Chloride	n/a	=	200	mg/L	EPA 300.0	0.17	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/14/2020 4:08:00 PM	Fluoride	n/a	=	0.49	mg/L	EPA 300.0	0.018	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/15/2020 4:35:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	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-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/14/2020 10:06:00 PM	Sulfate	Total	=	1100	mg/L	EPA 300.0	2.9	6	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:33:00 PM	Calcium	Total	=	325	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:33:00 PM	Magnesium	Total	=	127	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:33:00 PM	Potassium	Total	=	5.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:33:00 PM	Sodium	Total	=	260	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:13:00 AM	Alkalinity as CaCO3	n/a	=	250	mg/L	SM 2320 B	0.56	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/19/2020 1:21:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/20/2020 11:01:00 AM	COD	n/a	=	12	mg/L	EPA 410.4	2.9	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 11:37:00 AM	Dissolved Inorganic Carbon	Dissolved	=	66	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/27/2020 11:41:00 AM	Dissolved Organic Carbon	Dissolved	=	3.2	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:33:00 PM	Hardness as CaCO3	Total	=	1330	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/13/2020 3:24:00 PM	MBAS	n/a	=	0.062	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/27/2020 1:00:00 PM	Phenolics	n/a	=	0.045	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/15/2020 12:31:00 AM	Specific Conductance	n/a	=	3800	µmhos/cm	SM 2510 B	0.94	8	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/17/2020 2:37:00 PM	Total Dissolved Solids	n/a	=	2600	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/28/2020 1:20:00 PM	Total Organic Carbon	n/a	=	4.3	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/16/2020 11:55:00 AM	Total Suspended Solids	n/a	DNQ	3	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/13/2020 5:30:00 PM	Turbidity	n/a	=	0.3	NTU	EPA 180.1	0.017	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/16/2020 11:55:00 AM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 10:29:00 PM	Diesel Range Organics	n/a	<	0.032	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 10:29:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Aluminum	Dissolved	DNQ	3.1	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Aluminum	Total	=	6.9	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Antimony	Dissolved	DNQ	0.21	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Antimony	Total	DNQ	0.19	µg/L	EPA 200.8	0.045	0.5	WKL	UL-MB
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Barium	Total	=	17	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Cadmium	Dissolved	DNQ	0.058	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Cadmium	Total	DNQ	0.075	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Chromium	Total	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/14/2020 4:09:00 PM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Copper	Dissolved	=	0.76	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Copper	Total	=	0.85	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:30:00 PM	Iron	Dissolved	DNQ	7	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:33:00 PM	Iron	Total	=	31	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Lead	Total	DNQ	0.061	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:51:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:53:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Nickel	Total	=	1.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Selenium	Dissolved	=	32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Selenium	Total	=	33	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Thallium	Dissolved	DNQ	0.018	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Thallium	Total	DNQ	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:31:00 AM	Zinc	Dissolved	DNQ	1	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/24/2020 11:36:00 AM	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/14/2020 5:39:00 PM	Ammonia as N	n/a	DNQ	0.013	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/14/2020 12:25:00 PM	Nitrate + Nitrite as N	n/a	=	8.8	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:30:00 PM	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 1:33:00 PM	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/15/2020 5:44:00 PM	TKN	n/a	<	0.018	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	LB-LCSR
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	LB-LCSR
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	LB-LCSR
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	LB-LCSR
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	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-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Benzo(b)fluoranthene	n/a	<	0.027	µg/L	EPA 8270C	0.027	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	LB-LCSR
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.41	µg/L	EPA 625.1	0.18	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625.1	0.15	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Di-n-butylphthalate	n/a	<	0.1	µg/L	EPA 625.1	0.1	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	LB-LCSR
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	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	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 9:08:00 PM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	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	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/19/2020 7:57:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/29/2020 7:04:00 AM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/22/2020 6:41:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/23/2020 7:49:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/2/2020 11:35:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	6/12/2020 10:52:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2019/20-5	Dry	5/13/2020 8:00:00 AM	5/21/2020 11:02:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/12/2020 7:00:00 AM	E. Coli	n/a	=	201	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/12/2020 7:00:00 AM	Total Coliform	n/a	=	38730	MPN/100 mL	MMO-MUG	100	100	VCHCA	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/20/2020 5:26:00 PM	Calcium	Total	=	295	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/20/2020 5:26:00 PM	Magnesium	Total	=	110	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	Conductivity	n/a	=	2597	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	Discharge	n/a	=	0.2	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	DO	n/a	=	116.4	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	DO	n/a	=	10.6	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/20/2020 5:26:00 PM	Hardness as CaCO3	Total	=	1190	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	pH	n/a	=	8.06	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	Salinity	n/a	=	1500	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	Specific Conductance	n/a	=	2893	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	Temperature	n/a	=	19.7	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	2.7	mg/L	SM 5310 B	0.096	0.3	WKL	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/11/2020 9:20:00 AM	Turbidity	n/a	=	1.04	NTU	Field Meter	-88	0.01	Field Crew	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/20/2020 4:24:00 PM	Copper	Dissolved	=	0.52	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/20/2020 4:24:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2020-DRY	Dry	8/11/2020 9:20:00 AM	8/20/2020 4:24:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	7270	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	248100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/27/2019 6:15:00 AM	Conductivity	n/a	=	709	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	12/3/2019 6:24:00 PM	Cyanide	Total	=	0.0048	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/27/2019 6:15:00 AM	DO	n/a	=	96.5	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/27/2019 6:15:00 AM	DO	n/a	=	10.88	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/27/2019 6:15:00 AM	pH	n/a	=	6.82	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/27/2019 6:15:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/27/2019 6:15:00 AM	Specific Conductance	n/a	=	984	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/27/2019 6:15:00 AM	Temperature	n/a	=	10.2	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	12/9/2019 1:46:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	12/14/2019 2:27:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/28/2019 2:32:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 6:15:00 AM	11/28/2019 2:32:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/5/2019 1:17:00 AM	Chloride	n/a	=	4.3	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/5/2019 1:17:00 AM	Fluoride	n/a	DNQ	0.075	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/6/2019 12:46:00 AM	Perchlorate	n/a	DNQ	1.6	µg/L	EPA 314.0	0.84	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/5/2019 1:17:00 AM	Sulfate	Total	=	14	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Calcium	Total	=	9.95	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Magnesium	Total	=	2.42	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Potassium	Total	=	4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Sodium	Total	=	3.8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/5/2019 11:21:00 AM	Alkalinity as CaCO3	n/a	=	22	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/3/2019 11:44:00 AM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/6/2019 1:01:00 PM	COD	n/a	=	89	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4.4	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	19	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Hardness as CaCO3	Total	=	34.8	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.34	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/3/2019 5:33:00 PM	Phenolics	n/a	DNQ	0.0088	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 12:10:00 PM	Specific Conductance	n/a	=	100	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	73	mg/L	SM 2540 C	4	10	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	20	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 1:18:00 PM	Total Suspended Solids	n/a	=	130	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	11/28/2019 11:56:00 AM	Turbidity	n/a	=	100	NTU	EPA 180.1	0.085	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 1:18:00 PM	Volatile Suspended Solids	n/a	=	28	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 1:09:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 1:09:00 PM	Oil Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.66	1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/22/2020 2:51:00 PM	Aluminum	Dissolved	=	28	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/22/2020 3:59:00 PM	Aluminum	Total	=	2200	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/22/2020 2:51:00 PM	Antimony	Dissolved	=	0.72	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/22/2020 3:59:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Arsenic	Dissolved	=	0.66	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Arsenic	Total	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Barium	Total	=	56	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/22/2020 2:51:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/22/2020 3:59:00 PM	Beryllium	Total	DNQ	0.08	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/22/2020 2:51:00 PM	Cadmium	Dissolved	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/22/2020 3:59:00 PM	Cadmium	Total	=	0.34	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Chromium	Total	=	5.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/3/2019 8:33:00 PM	Chromium VI	n/a	DNQ	0.041	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Copper	Total	=	26	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Iron	Dissolved	=	54	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Iron	Total	=	3000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Lead	Dissolved	=	0.54	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/17/2019 5:26:00 PM	Mercury	Dissolved	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/17/2019 5:28:00 PM	Mercury	Total	DNQ	34	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Nickel	Dissolved	=	3.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Nickel	Total	=	6.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Selenium	Dissolved	DNQ	0.21	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Selenium	Total	DNQ	0.32	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 4:19:00 AM	Zinc	Dissolved	=	75	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 6:07:00 AM	Zinc	Total	=	150	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 4:33:00 PM	Ammonia as N	n/a	=	0.51	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/3/2019 1:29:00 PM	Nitrate + Nitrite as N	n/a	=	0.86	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Phosphorus as P	Dissolved	=	0.34	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/9/2020 2:58:00 PM	Phosphorus as P	Total	=	0.56	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:24:00 PM	TKN	n/a	=	2.3	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Benzenzidine	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	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-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Butyl-n-octylphthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Di-n-butylphthalate	n/a	<	0.5	µg/L	EPA 625.1	0.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/20/2019 6:18:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	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	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	Bentazon	n/a	DNQ	0.83	µg/L	EPA 515.4	0.23	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	Dicamba	n/a	=	1.2	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Dichlorvos	n/a	DNQ	0.013	µg/L	EPA 525.2m	0.0058	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Fensulfothion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	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-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 2:45:00 AM	Glyphosate	n/a	=	23	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Malathion	n/a	=	0.028	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Mevinphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Naled	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	1/10/2020 5:01:00 AM	Pentachlorophenol	n/a	DNQ	2.7	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	Pentachlorophenol	n/a	=	0.39	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/10/2019 12:35:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	0.006	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/13/2019 5:33:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Ronnel (Fenclorophos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.013	µg/L	EPA 525.2m	0.0062	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/21/2019 12:08:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/4/2019 11:17:00 PM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	
MO-SPA	2019/20-1	Wet	11/27/2019 8:45:00 AM	12/12/2019 12:47:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	2700	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	173290	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/16/2020 8:10:00 PM	Conductivity	n/a	=	73.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/29/2020 6:25:00 PM	Cyanide	Total	=	0.0023	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/16/2020 8:10:00 PM	DO	n/a	=	11.05	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/16/2020 8:10:00 PM	DO	n/a	=	103	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/16/2020 8:10:00 PM	pH	n/a	=	6.93	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/16/2020 8:10:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/16/2020 8:10:00 PM	Specific Conductance	n/a	=	98.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/16/2020 8:10:00 PM	Temperature	n/a	=	11.6	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/20/2020 3:11:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/17/2020 10:23:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:10:00 PM	1/17/2020 10:23:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/20/2020 6:18:00 PM	Chloride	n/a	=	7.1	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/20/2020 6:18:00 PM	Fluoride	n/a	=	0.11	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/21/2020 11:08:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	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-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/20/2020 6:18:00 PM	Sulfate	Total	=	23	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/29/2020 5:58:00 PM	Calcium	Total	=	14.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/29/2020 5:58:00 PM	Magnesium	Total	=	2.38	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/29/2020 5:58:00 PM	Potassium	Total	=	3.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/29/2020 5:58:00 PM	Sodium	Total	=	6.1	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/22/2020 12:20:00 PM	Alkalinity as CaCO3	n/a	=	34	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/22/2020 4:51:00 PM	BOD	n/a	=	35	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/22/2020 11:07:00 AM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	5.2	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	35	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/29/2020 5:58:00 PM	Hardness as CaCO3	Total	=	46.8	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/17/2020 7:29:00 PM	MBAS	n/a	=	1.1	mg/L	SM 5540 C	0.085	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/21/2020 5:27:00 PM	Phenolics	n/a	=	0.02	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/21/2020 11:55:00 AM	Specific Conductance	n/a	=	150	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	190	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	37	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	310	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/17/2020 6:29:00 PM	Turbidity	n/a	=	95	NTU	EPA 180.1	0.085	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	55	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 4:12:00 AM	Diesel Range Organics	n/a	=	1.8	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 4:12:00 AM	Oil Range Organics	n/a	DNQ	2.1	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Aluminum	Dissolved	=	39	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Aluminum	Total	=	1100	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Antimony	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Arsenic	Dissolved	=	0.81	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Arsenic	Total	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Barium	Total	=	38	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Beryllium	Total	DNQ	0.043	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Cadmium	Dissolved	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Cadmium	Total	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Chromium	Dissolved	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Chromium	Total	=	3.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/20/2020 1:43:00 PM	Chromium VI	n/a	=	0.62	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Copper	Dissolved	=	8.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Copper	Total	=	22	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/29/2020 5:55:00 PM	Iron	Dissolved	=	110	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/29/2020 5:58:00 PM	Iron	Total	=	1700	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Lead	Dissolved	=	1.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Lead	Total	=	7.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/21/2020 5:19:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/21/2020 5:21:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Nickel	Dissolved	=	4.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Nickel	Total	=	6.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Selenium	Dissolved	DNQ	0.35	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Selenium	Total	=	0.49	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Silver	Total	DNQ	0.076	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Thallium	Total	DNQ	0.023	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 7:14:00 PM	Zinc	Dissolved	=	84	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/4/2020 8:17:00 PM	Zinc	Total	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/22/2020 2:33:00 PM	Ammonia as N	n/a	=	0.79	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/20/2020 12:45:00 PM	Nitrate + Nitrite as N	n/a	DNQ	0.087	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/31/2020 5:34:00 PM	Phosphorus as P	Dissolved	=	0.13	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/5/2020 9:34:00 PM	Phosphorus as P	Total	=	0.44	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:51:00 PM	TKN	n/a	=	3.2	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	LB-LCSR
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	2-Methylnaphthalene	n/a	=	0.65	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	4,6-Dinitro-2-methylphenol	n/a	DNQ	2.2	µg/L	EPA 8270C	0.7	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Benzo(a)pyrene	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Butyl benzyl phthalate	n/a	DNQ	2.2	µg/L	EPA 625.1	0.9	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Di-n-butylphthalate	n/a	DNQ	1.3	µg/L	EPA 625.1	0.5	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/30/2020 11:42:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	PCB Aroclor 1016	n/a	<	2.5	µg/L	EPA 608.3	2.5	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	PCB Aroclor 1221	n/a	<	3	µg/L	EPA 608.3	3	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	PCB Aroclor 1232	n/a	<	7.5	µg/L	EPA 608.3	7.5	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	PCB Aroclor 1242	n/a	<	3.5	µg/L	EPA 608.3	3.5	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	PCB Aroclor 1248	n/a	<	3	µg/L	EPA 608.3	3	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	PCB Aroclor 1254	n/a	<	2	µg/L	EPA 608.3	2	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	PCB Aroclor 1260	n/a	<	2	µg/L	EPA 608.3	2	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	2,4-DB	n/a	<	5.5	µg/L	EPA 515.4	5.5	5.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	4,4'-DDD	n/a	<	0.15	µg/L	EPA 608.3	0.15	2.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	4,4'-DDE	n/a	<	0.12	µg/L	EPA 608.3	0.12	2.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	4,4'-DDT	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Aldrin	n/a	<	0.075	µg/L	EPA 608.3	0.075	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	alpha-BHC	n/a	<	0.09	µg/L	EPA 608.3	0.09	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	alpha-Chlordane	n/a	<	0.2	µg/L	EPA 608.3	0.2	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Azinphos methyl	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	Bentazon	n/a	=	2.8	µg/L	EPA 515.4	0.23	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	beta-BHC	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Bolstar	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Bromacil	n/a	DNQ	1.5	µg/L	EPA 525.2	0.76	20	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Chlordane (technical)	n/a	<	4	µg/L	EPA 608.3	4	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Chlorpyrifos	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Coumaphos	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	delta-BHC	n/a	<	0.12	µg/L	EPA 608.3	0.12	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Demeton-O	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Demeton-S	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Diazinon	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Dichlorvos	n/a	DNQ	0.13	µg/L	EPA 525.2m	0.073	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Dieldrin	n/a	<	0.1	µg/L	EPA 608.3	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-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Dimethoate	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Disulfoton	n/a	<	0.25	µg/L	EPA 525.2m	0.25	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Endosulfan I	n/a	<	0.085	µg/L	EPA 608.3	0.085	1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Endosulfan II	n/a	<	0.095	µg/L	EPA 608.3	0.095	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Endosulfan sulfate	n/a	<	0.4	µg/L	EPA 608.3	0.4	2.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Endrin	n/a	<	0.14	µg/L	EPA 608.3	0.14	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Endrin aldehyde	n/a	<	0.15	µg/L	EPA 608.3	0.15	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Ethoprop	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Ethyl parathion	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Fensulfothion	n/a	<	0.073	µg/L	EPA 525.2m	0.073	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Fenthion	n/a	<	0.095	µg/L	EPA 525.2m	0.095	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	gamma-BHC (Lindane)	n/a	<	0.1	µg/L	EPA 608.3	0.1	1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	gamma-Chlordane	n/a	<	0.22	µg/L	EPA 608.3	0.22	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/20/2020 3:01:00 PM	Glyphosate	n/a	=	32	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Heptachlor	n/a	<	0.085	µg/L	EPA 608.3	0.085	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Heptachlor epoxide	n/a	<	0.095	µg/L	EPA 608.3	0.095	0.5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Malathion	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Merphos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Methoxychlor	n/a	<	0.27	µg/L	EPA 608.3	0.27	1	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Methyl parathion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Mevinphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Naled	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/1/2020 3:11:00 AM	Pentachlorophenol	n/a	DNQ	2.3	µg/L	EPA 8270C	0.75	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/6/2020 8:08:00 AM	Pentachlorophenol	n/a	DNQ	3.4	µg/L	EPA 625.1	2	5	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	Pentachlorophenol	n/a	=	0.76	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Phorate	n/a	<	0.075	µg/L	EPA 525.2m	0.075	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/25/2020 11:20:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Tokuthion	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	2/19/2020 1:36:00 AM	Toxaphene	n/a	<	6	µg/L	EPA 608.3	6	25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/28/2020 5:19:00 AM	Trichloronate	n/a	<	0.17	µg/L	EPA 525.2m	0.17	0.25	WKL	
MO-SPA	2019/20-2	Wet	1/16/2020 8:20:00 PM	1/23/2020 11:13:00 PM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/11/2020 2:30:00 PM	E. Coli	n/a	=	45700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/11/2020 2:30:00 PM	Total Coliform	n/a	=	172000	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-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/10/2020 9:15:00 AM	Conductivity	n/a	=	142.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/21/2020 12:23:00 PM	Cyanide	Total	DNQ	0.0007	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/10/2020 9:15:00 AM	DO	n/a	=	90.5	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/10/2020 9:15:00 AM	DO	n/a	=	9.19	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/10/2020 9:15:00 AM	pH	n/a	=	7	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/10/2020 9:15:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/10/2020 9:15:00 AM	Specific Conductance	n/a	=	177.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/10/2020 9:15:00 AM	Temperature	n/a	=	14.5	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/17/2020 1:18:00 AM	Gasoline Range Organics	n/a	DNQ	0.08	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/18/2020 7:24:00 PM	Oil and Grease	n/a	DNQ	1.6	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/11/2020 9:41:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-SPA	2019/20-3	Wet	3/10/2020 9:15:00 AM	3/11/2020 9:41:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/13/2020 1:56:00 AM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/13/2020 1:56:00 AM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/12/2020 8:37:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/13/2020 1:56:00 AM	Sulfate	Total	=	45	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:53:00 PM	Calcium	Total	=	32.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:53:00 PM	Magnesium	Total	=	8.67	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:53:00 PM	Potassium	Total	=	7.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:53:00 PM	Sodium	Total	=	12	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/16/2020 1:18:00 PM	Alkalinity as CaCO3	n/a	=	61	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 11:47:00 PM	BOD	n/a	=	42	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 11:48:00 AM	COD	n/a	=	310	mg/L	EPA 410.4	2.9	5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 2:40:00 PM	Dissolved Inorganic Carbon	Dissolved	=	11	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/31/2020 2:59:00 PM	Dissolved Organic Carbon	Dissolved	=	42	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:53:00 PM	Hardness as CaCO3	Total	=	118	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/12/2020 3:39:00 PM	MBAS	n/a	=	1.1	mg/L	SM 5540 C	0.17	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 5:32:00 PM	Phenolics	n/a	=	0.071	mg/L	EPA 420.4	0.0084	0.02	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/13/2020 3:43:00 PM	Specific Conductance	n/a	=	250	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/13/2020 5:40:00 PM	Total Dissolved Solids	n/a	=	190	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/13/2020 4:28:00 PM	Total Organic Carbon	n/a	=	46	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/13/2020 6:35:00 PM	Total Suspended Solids	n/a	=	520	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/12/2020 12:48:00 PM	Turbidity	n/a	=	140	NTU	EPA 180.1	0.085	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/13/2020 4:41:00 PM	Volatile Suspended Solids	n/a	=	140	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Aluminum	Dissolved	=	33	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Aluminum	Total	=	8900	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Antimony	Total	=	3.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Arsenic	Total	=	5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Barium	Total	=	180	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Beryllium	Total	=	0.35	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Cadmium	Dissolved	=	0.21	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Cadmium	Total	=	1.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Chromium	Dissolved	=	2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Chromium	Total	=	18	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/12/2020 12:53:00 PM	Chromium VI	n/a	=	1.5	µg/L	EPA 218.6	0.0079	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-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Copper	Dissolved	=	20	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Copper	Total	=	67	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:50:00 PM	Iron	Dissolved	=	130	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:53:00 PM	Iron	Total	=	13000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Lead	Dissolved	=	1.2	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Lead	Total	=	49	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/16/2020 11:04:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/16/2020 11:06:00 AM	Mercury	Total	DNQ	48	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Nickel	Dissolved	=	6.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Nickel	Total	=	22	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Selenium	Dissolved	=	0.54	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Selenium	Total	=	0.95	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Silver	Total	=	0.2	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 4:47:00 PM	Zinc	Dissolved	=	100	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/18/2020 5:55:00 PM	Zinc	Total	=	470	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 4:36:00 PM	Ammonia as N	n/a	=	0.73	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/12/2020 11:40:00 AM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:50:00 PM	Phosphorus as P	Dissolved	=	0.16	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/20/2020 12:53:00 PM	Phosphorus as P	Total	=	1.2	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/16/2020 5:22:00 PM	TKN	n/a	=	5.7	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	2.9	µg/L	EPA 525.2	2.1	100	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	2,4-D	n/a	<	2.4	µg/L	EPA 515.4	2.4	2.4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	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-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/12/2020 5:53:00 PM	Glyphosate	n/a	=	130	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Mevinphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	4/1/2020 3:42:00 AM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	Pentachlorophenol	n/a	=	0.98	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/17/2020 9:32:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Ronnel (Fenclorophos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/24/2020 11:41:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-SPA	2019/20-3	Wet	3/11/2020 8:00:00 AM	3/19/2020 7:27:00 PM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/29/2020 7:00:00 AM	E. Coli	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/29/2020 7:00:00 AM	Total Coliform	n/a	=	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/28/2020 8:15:00 AM	Conductivity	n/a	=	1427	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/28/2020 8:15:00 AM	DO	n/a	=	70.6	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/28/2020 8:15:00 AM	DO	n/a	=	6.93	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/28/2020 8:15:00 AM	pH	n/a	=	8.07	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/28/2020 8:15:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/28/2020 8:15:00 AM	Specific Conductance	n/a	=	1713	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2019/20-5	Dry	4/28/2020 8:15:00 AM	4/28/2020 8:15:00 AM	Temperature	n/a	=	16.3	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/29/2020 6:08:00 PM	Chloride	n/a	=	75	mg/L	EPA 300.0	0.085	0.5	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/29/2020 6:08:00 PM	Fluoride	n/a	=	0.45	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/29/2020 3:36:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/1/2020 1:24:00 PM	Sulfate	Total	=	480	mg/L	EPA 300.0	1.2	2.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:56:00 PM	Calcium	Total	=	187	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:56:00 PM	Magnesium	Total	=	50.4	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:56:00 PM	Potassium	Total	=	16	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:56:00 PM	Sodium	Total	=	120	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/5/2020 12:24:00 PM	Alkalinity as CaCO3	n/a	=	290	mg/L	SM 2320 B	0.56	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 11:23:00 AM	BOD	n/a	=	7.2	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/5/2020 4:29:00 PM	COD	n/a	=	78	mg/L	EPA 410.4	2.9	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	68	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/1/2020 10:20:00 AM	Dissolved Organic Carbon	Dissolved	=	19	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:56:00 PM	Hardness as CaCO3	Total	=	675	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/29/2020 3:26:00 PM	MBAS	n/a	=	0.18	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 4:20:00 PM	Phenolics	n/a	=	0.044	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/1/2020 12:19:00 PM	Specific Conductance	n/a	=	1800	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 4:25:00 PM	Total Dissolved Solids	n/a	=	1200	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 3:18:00 PM	Total Organic Carbon	n/a	=	17	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/1/2020 1:53:00 PM	Total Suspended Solids	n/a	=	5	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/29/2020 2:03:00 PM	Turbidity	n/a	=	2.8	NTU	EPA 180.1	0.017	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/1/2020 1:53:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/6/2020 8:22:00 PM	Diesel Range Organics	n/a	=	0.79	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/6/2020 8:22:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Aluminum	Dissolved	=	11	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Aluminum	Total	=	38	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Antimony	Dissolved	=	0.79	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Antimony	Total	=	0.67	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Arsenic	Dissolved	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Arsenic	Total	=	2.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Barium	Total	=	100	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Cadmium	Dissolved	=	0.32	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Cadmium	Total	=	0.43	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Chromium	Dissolved	=	0.82	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Chromium	Total	=	0.84	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/29/2020 2:21:00 PM	Chromium VI	n/a	=	0.27	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Copper	Dissolved	=	11	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Copper	Total	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:08:00 PM	Iron	Dissolved	=	140	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:56:00 PM	Iron	Total	=	210	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Lead	Dissolved	=	0.71	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Lead	Total	=	1.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/1/2020 1:09:00 PM	Mercury	Dissolved	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/1/2020 1:11:00 PM	Mercury	Total	DNQ	23	ng/L	EPA 245.1	17	50	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Nickel	Dissolved	=	6.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Nickel	Total	=	6.4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Selenium	Dissolved	=	2.4	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-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Selenium	Total	=	2.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Silver	Dissolved	DNQ	0.067	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Thallium	Dissolved	DNQ	0.022	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 12:30:00 PM	Zinc	Dissolved	=	89	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:17:00 PM	Zinc	Total	=	98	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 2:22:00 PM	Ammonia as N	n/a	=	0.18	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/29/2020 4:36:00 PM	Nitrate + Nitrite as N	n/a	=	2	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:08:00 PM	Phosphorus as P	Dissolved	=	0.58	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/4/2020 1:56:00 PM	Phosphorus as P	Total	=	0.71	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/6/2020 5:06:00 PM	TKN	n/a	=	2.3	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	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	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Benzo(a)pyrene	n/a	DNQ	0.052	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Benzo(b)fluoranthene	n/a	DNQ	0.034	µg/L	EPA 8270C	0.027	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Benzo(k)fluoranthene	n/a	DNQ	0.03	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.42	µg/L	EPA 625.1	0.18	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Diethyl phthalate	n/a	DNQ	0.15	µg/L	EPA 625.1	0.15	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Di-n-butylphthalate	n/a	DNQ	0.22	µg/L	EPA 625.1	0.1	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	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-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 2:14:00 AM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Alachlor	n/a	DNQ	0.054	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Chlorpropham	n/a	<	0.9	µg/L	EPA 525.2	0.9	0.9	WKL	DF
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	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-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Dimethoate	n/a	DNQ	0.091	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	EPTC	n/a	DNQ	0.046	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/1/2020 4:42:00 PM	Glyphosate	n/a	=	28	µg/L	EPA 547	9	25	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	0.15	WKL	DF
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/8/2020 9:41:00 PM	Pentachlorophenol	n/a	DNQ	0.39	µg/L	EPA 8270C	0.15	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	Pentachlorophenol	n/a	=	0.2	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/13/2020 7:17:00 PM	Pentachlorophenol	n/a	DNQ	0.89	µg/L	EPA 625.1	0.4	1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/2/2020 3:54:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Prometryn	n/a	DNQ	0.049	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Simazine	n/a	DNQ	0.06	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/11/2020 10:56:00 PM	Toxaphene	n/a	<	5	µg/L	EPA 608.3	5	5	WKL	DF
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	5/14/2020 10:12:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2019/20-5	Dry	4/28/2020 8:20:00 AM	4/30/2020 9:51:00 PM	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-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 3:05:00 AM	Chloride	n/a	=	180	mg/L	EPA 300.0	0.17	1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 3:05:00 AM	Fluoride	n/a	=	0.27	mg/L	EPA 300.0	0.018	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/6/2019 2:34:00 AM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 3:05:00 AM	Sulfate	Total	=	280	mg/L	EPA 300.0	0.48	1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	327	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	290900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Calcium	Total	=	106	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Magnesium	Total	=	77.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Potassium	Total	=	7.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Sodium	Total	=	100	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 11:51:00 AM	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/3/2019 12:05:00 PM	BOD	n/a	=	45	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/6/2019 1:02:00 PM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/27/2019 10:10:00 AM	Conductivity	n/a	=	476	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/4/2019 4:13:00 PM	Cyanide	Total	=	0.015	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	54	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	17	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/27/2019 10:10:00 AM	DO	n/a	=	8.88	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/27/2019 10:10:00 AM	DO	n/a	=	81.1	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Hardness as CaCO3	Total	=	585	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.15	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/27/2019 10:10:00 AM	pH	n/a	=	7.89	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/4/2019 5:44:00 PM	Phenolics	n/a	=	0.037	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/27/2019 10:10:00 AM	Salinity	n/a	=	300	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/27/2019 10:10:00 AM	Specific Conductance	n/a	=	631	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/4/2019 12:19:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/27/2019 10:10:00 AM	Temperature	n/a	=	12.1	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	930	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	22	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/4/2019 1:18:00 PM	Total Suspended Solids	n/a	=	2400	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/28/2019 12:23:00 PM	Turbidity	n/a	=	100	NTU	EPA 180.1	0.085	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/4/2019 1:18:00 PM	Volatile Suspended Solids	n/a	=	480	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/31/2019 10:23:00 AM	Diesel Range Organics	n/a	DNQ	0.36	mg/L	EPA 8015D	0.12	0.5	WKL	UL-MB
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/9/2019 3:36:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/14/2019 2:27:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/31/2019 10:23:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Aluminum	Dissolved	DNQ	3.7	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Aluminum	Total	=	6300	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Antimony	Dissolved	=	0.63	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Antimony	Total	=	0.76	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Arsenic	Dissolved	=	3.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Arsenic	Total	=	4.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Barium	Total	=	80	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Beryllium	Total	=	0.16	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Cadmium	Total	=	0.52	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Chromium	Dissolved	=	0.26	µg/L	EPA 200.8	0.035	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Chromium	Total	=	19	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/3/2019 9:20:00 PM	Chromium VI	n/a	<	0.04	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Copper	Dissolved	=	2.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Copper	Total	=	19	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Iron	Dissolved	=	29	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Iron	Total	=	8500	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 6:42:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 7:20:00 PM	Lead	Total	=	4.1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 5:33:00 PM	Mercury	Dissolved	DNQ	18	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 6:03:00 PM	Mercury	Total	DNQ	34	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Nickel	Dissolved	=	3.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Nickel	Total	=	18	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Selenium	Dissolved	=	1.6	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Selenium	Total	=	2.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:40:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:04:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Thallium	Total	DNQ	0.08	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:40:00 PM	Zinc	Dissolved	=	6.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/22/2020 4:45:00 PM	Zinc	Total	=	71	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/4/2019 5:20:00 PM	Ammonia as N	n/a	=	0.6	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 12:51:00 PM	Nitrate + Nitrite as N	n/a	=	1.2	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Phosphorus as P	Dissolved	=	0.19	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/17/2019 11:39:00 AM	Phosphorus as P	Total	=	0.76	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/3/2019 5:31:00 PM	TKN	n/a	=	3.5	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 10:10:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/28/2019 4:04:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	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-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Benzo(a)pyrene	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 525.2	1.4	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Dimethyl phthalate	n/a	DNQ	2.1	µg/L	EPA 625.1	0.9	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Di-n-butylphthalate	n/a	<	0.5	µg/L	EPA 625.1	0.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	11/28/2019 4:04:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/20/2019 8:35:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 2:35:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Azinphos methyl	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	Bentazon	n/a	DNQ	0.83	µg/L	EPA 515.4	0.23	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Bolstar	n/a	<	0.092	µg/L	EPA 525.2m	0.092	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	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	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Chlorpyrifos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Coumaphos	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	DCPA (Dacthal)	n/a	DNQ	0.071	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Demeton-O	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Demeton-S	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Diazinon	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Dichlorvos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Disulfoton	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Ethoprop	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Ethyl parathion	n/a	<	0.11	µg/L	EPA 525.2m	0.11	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Fensulfthion	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Fenthion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/4/2019 3:47:00 AM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Malathion	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Merphos	n/a	<	0.12	µg/L	EPA 525.2m	0.12	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Methyl parathion	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Mevinphos	n/a	<	0.084	µg/L	EPA 525.2m	0.084	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Naled	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	1/10/2020 6:58:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270C	0.75	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	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/10/2019 10:10:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Phorate	n/a	<	0.06	µg/L	EPA 525.2m	0.06	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/13/2019 9:47:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.082	µg/L	EPA 525.2m	0.082	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Tokuthion	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/21/2019 2:10:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/5/2019 9:44:00 AM	Trichloronate	n/a	<	0.13	µg/L	EPA 525.2m	0.13	0.2	WKL	
MO-THO	2019/20-1	Wet	11/27/2019 10:10:00 AM	12/12/2019 2:35:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 8:00:00 PM	E. Coli	n/a	=	5794	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 8:00:00 PM	Total Coliform	n/a	=	68670	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 12:25:00 AM	Conductivity	n/a	=	225.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/29/2020 7:12:00 PM	Cyanide	Total	=	0.0034	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 12:25:00 AM	DO	n/a	=	7.27	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 12:25:00 AM	DO	n/a	=	66.4	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 12:25:00 AM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 12:25:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 12:25:00 AM	Specific Conductance	n/a	=	307.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/17/2020 12:25:00 AM	Temperature	n/a	=	12	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/20/2020 4:59:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/18/2020 3:04:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:25:00 AM	1/18/2020 3:04:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/20/2020 7:30:00 AM	Chloride	n/a	=	220	mg/L	EPA 300.0	0.17	1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/20/2020 7:30:00 PM	Fluoride	n/a	=	0.28	mg/L	EPA 300.0	0.018	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/21/2020 1:24:00 AM	Perchlorate	n/a	<	1.7	µg/L	EPA 314.0	1.7	4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/20/2020 7:30:00 PM	Sulfate	Total	=	330	mg/L	EPA 300.0	0.48	1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:24:00 PM	Calcium	Total	=	107	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:24:00 PM	Magnesium	Total	=	91.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:24:00 PM	Potassium	Total	=	3.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:24:00 PM	Sodium	Total	=	130	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/22/2020 12:30:00 AM	Alkalinity as CaCO3	n/a	=	270	mg/L	SM 2320 B	0.56	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/22/2020 5:13:00 PM	BOD	n/a	=	3	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/22/2020 11:08:00 AM	COD	n/a	=	10	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	83	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	6.1	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:24:00 PM	Hardness as CaCO3	Total	=	645	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.064	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/22/2020 4:51:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/21/2020 12:01:00 PM	Specific Conductance	n/a	=	2000	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/21/2020 4:26:00 PM	Total Organic Carbon	n/a	=	7.3	mg/L	SM 5310 B	0.073	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	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	350	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/17/2020 6:37:00 PM	Turbidity	n/a	=	32	NTU	EPA 180.1	0.017	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	43	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/4/2020 11:37:00 PM	Diesel Range Organics	n/a	DNQ	0.055	mg/L	EPA 8015D	0.024	0.1	WKL	UL-MB
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/4/2020 11:37:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Aluminum	Dissolved	DNQ	3.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Aluminum	Total	=	450	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Antimony	Dissolved	DNQ	0.25	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Antimony	Total	DNQ	0.28	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Arsenic	Dissolved	=	2.5	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Barium	Total	=	25	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Cadmium	Total	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Chromium	Dissolved	=	0.37	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Chromium	Total	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/20/2020 2:54:00 PM	Chromium VI	n/a	=	0.28	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Copper	Dissolved	=	1.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Copper	Total	=	2.7	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:15:00 PM	Iron	Dissolved	DNQ	8	µg/L	EPA 200.7	1.1	10	WKL	UL-MB
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:24:00 PM	Iron	Total	=	640	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Lead	Total	=	0.27	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/22/2020 11:42:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/22/2020 11:44:00 AM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Nickel	Total	=	3.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Selenium	Dissolved	=	1.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Selenium	Total	=	1.9	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 8:46:00 PM	Zinc	Dissolved	DNQ	2	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 9:28:00 PM	Zinc	Total	=	5.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/22/2020 2:39:00 PM	Ammonia as N	n/a	DNQ	0.031	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/20/2020 12:52:00 PM	Nitrate + Nitrite as N	n/a	=	0.95	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:15:00 PM	Phosphorus as P	Dissolved	=	0.075	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/3/2020 4:24:00 PM	Phosphorus as P	Total	=	0.12	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 5:31:00 PM	TKN	n/a	=	0.43	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	1,2-Dichlorobenzene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	1,2-Diphenylhydrazine	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	1,3-Dichlorobenzene	n/a	<	0.84	µg/L	EPA 625.1	0.84	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	1,4-Dichlorobenzene	n/a	<	0.96	µg/L	EPA 625.1	0.96	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	1-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	2,4,5-Trichlorophenol	n/a	<	0.58	µg/L	EPA 8270C	0.58	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	2,4-Dichlorophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625.1	0.6	2	WKL	LB-LCSR
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	2,4-Dimethylphenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2,4-Dinitrophenol	n/a	<	3.7	µg/L	EPA 625.1	3.7	20	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	2,4-Dinitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625.1	0.36	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625.1	0.54	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625.1	0.9	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625.1	0.56	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	2-Chlorophenol	n/a	<	1.3	µg/L	EPA 8270C	1.3	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	2-Methylnaphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	2-Methylphenol	n/a	<	0.68	µg/L	EPA 8270C	0.68	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	2-Nitrophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	3-/4-Methylphenol	n/a	<	0.6	µg/L	EPA 8270C	0.6	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.28	µg/L	EPA 8270C	0.28	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625.1	0.46	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.74	µg/L	EPA 8270C	0.74	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625.1	0.82	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	4-Nitrophenol	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	4-Nitrophenol	n/a	<	2	µg/L	EPA 8270C	2	4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Acenaphthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Acenaphthylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Acenaphthylene	n/a	<	0.34	µg/L	EPA 625.1	0.34	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Anthracene	n/a	<	0.24	µg/L	EPA 625.1	0.24	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Benz(a)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Benzidine	n/a	<	2.9	µg/L	EPA 625.1	2.9	20	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Benzo(a)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Benzo(a)pyrene	n/a	<	0.35	µg/L	EPA 525.2	0.35	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Benzo(a)pyrene	n/a	<	0.78	µg/L	EPA 625.1	0.78	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Benzo(b)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.84	µg/L	EPA 625.1	0.84	4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625.1	0.44	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Benzo(k)fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625.1	0.54	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	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625.1	0.76	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.52	µg/L	EPA 525.2	0.52	25	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	5.3	µg/L	EPA 525.2	5.3	15	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.77	µg/L	EPA 625.1	0.36	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Chrysene	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Chrysene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Dibenz(a,h)anthracene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Dibenz(a,h)anthracene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625.1	0.3	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Dimethyl phthalate	n/a	=	2.4	µg/L	EPA 625.1	0.36	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Di-n-butylphthalate	n/a	DNQ	0.4	µg/L	EPA 625.1	0.2	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Di-n-octylphthalate	n/a	<	0.92	µg/L	EPA 625.1	0.92	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Fluoranthene	n/a	<	0.16	µg/L	EPA 625.1	0.16	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Fluoranthene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Fluorene	n/a	<	0.7	µg/L	EPA 625.1	0.7	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Fluorene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625.1	0.94	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Hexachlorocyclopentadiene	n/a	<	2	µg/L	EPA 625.1	2	10	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Hexachloroethane	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1.1	µg/L	EPA 625.1	1.1	4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Isophorone	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Naphthalene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Naphthalene	n/a	<	0.98	µg/L	EPA 625.1	0.98	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625.1	0.72	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	N-Nitrosodimethylamine	n/a	<	1	µg/L	EPA 625.1	1	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625.1	0.52	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625.1	0.38	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625.1	0.64	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Phenanthrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	Phenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Phenol	n/a	<	0.32	µg/L	EPA 625.1	0.32	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 625.1	0.5	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/30/2020 2:00:00 PM	Pyrene	n/a	<	0.2	µg/L	EPA 8270C	0.2	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	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	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Alachlor	n/a	<	0.11	µg/L	EPA 525.2	0.11	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Atrazine	n/a	<	0.17	µg/L	EPA 525.2	0.17	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Bromacil	n/a	<	0.19	µg/L	EPA 525.2	0.19	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Butachlor	n/a	<	0.085	µg/L	EPA 525.2	0.085	1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Captan	n/a	<	4.3	µg/L	EPA 525.2	4.3	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 12:30:00 AM	Chlorpropham	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Cyanazine	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	DCCA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Diazinon	n/a	<	0.48	µg/L	EPA 525.2	0.48	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Dimethoate	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Diphenamid	n/a	<	0.12	µg/L	EPA 525.2	0.12	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Disulfoton	n/a	<	0.16	µg/L	EPA 525.2	0.16	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	EPTC	n/a	<	0.085	µg/L	EPA 525.2	0.085	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/20/2020 4:03:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Metolachlor	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Metribuzin	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Molinate	n/a	<	0.2	µg/L	EPA 525.2	0.2	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/6/2020 10:09:00 AM	Pentachlorophenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/1/2020 5:09:00 AM	Pentachlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	2	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/25/2020 1:45:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Prometon	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Prometryn	n/a	<	0.18	µg/L	EPA 525.2	0.18	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Simazine	n/a	<	0.075	µg/L	EPA 525.2	0.075	0.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Terbacil	n/a	<	2.8	µg/L	EPA 525.2	2.8	10	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Thiobencarb	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	2/15/2020 1:02:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/28/2020 7:11:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2019/20-2	Wet	1/17/2020 12:30:00 AM	1/24/2020 1:01:00 AM	Trithion	n/a	<	0.06	µg/L	EPA 525.2	0.06	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/6/2020 8:30:00 AM	Conductivity	n/a	=	210.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/16/2020 3:35:00 PM	Cyanide	Total	DNQ	0.0013	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/6/2020 8:30:00 AM	DO	n/a	=	9.08	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/6/2020 8:30:00 AM	DO	n/a	=	87.4	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/6/2020 8:30:00 AM	pH	n/a	=	7.49	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/6/2020 8:30:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/6/2020 8:30:00 AM	Specific Conductance	n/a	=	269.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/6/2020 8:30:00 AM	Temperature	n/a	=	13.7	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2019/20-4	Wet	4/6/2020 8:30:00 AM	4/13/2020 9:23:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/7/2020 5:22:00 PM	Chloride	n/a	=	62	mg/L	EPA 300.0	0.17	1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/7/2020 5:22:00 PM	Fluoride	n/a	DNQ	0.084	mg/L	EPA 300.0	0.018	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:45:00 AM	Perchlorate	n/a	<	1.7	µg/L	EPA 314.0	1.7	4	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/7/2020 5:22:00 PM	Sulfate	Total	=	89	mg/L	EPA 300.0	0.48	1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 4:22:00 PM	Calcium	Total	=	80.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 4:22:00 PM	Magnesium	Total	=	63.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 4:22:00 PM	Potassium	Total	=	3.2	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 4:22:00 PM	Sodium	Total	=	91	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 1:08:00 PM	Alkalinity as CaCO3	n/a	=	230	mg/L	SM 2320 B	0.56	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	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:36:00 PM	BOD	n/a	=	6.3	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 11:51:00 AM	COD	n/a	=	41	mg/L	EPA 410.4	2.9	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/27/2020 11:28:00 AM	Dissolved Inorganic Carbon	Dissolved	=	54	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/16/2020 12:04:00 PM	Dissolved Organic Carbon	Dissolved	=	8.1	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 4:22:00 PM	Hardness as CaCO3	Total	=	463	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/7/2020 7:06:00 PM	MBAS	n/a	=	0.061	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 3:57:00 PM	Phenolics	n/a	DNQ	0.0078	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 1:32:00 PM	Specific Conductance	n/a	=	1300	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/8/2020 6:44:00 PM	Total Dissolved Solids	n/a	=	760	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:32:00 AM	Total Organic Carbon	n/a	=	7.6	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/8/2020 10:45:00 AM	Total Suspended Solids	n/a	=	130	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/7/2020 5:00:00 PM	Turbidity	n/a	=	16	NTU	EPA 180.1	0.017	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/8/2020 10:45:00 AM	Volatile Suspended Solids	n/a	=	23	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 1:20:00 AM	Diesel Range Organics	n/a	=	0.14	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 1:20:00 AM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Aluminum	Dissolved	=	6	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Aluminum	Total	=	2100	µg/L	EPA 200.8	1.3	5	WKL	LB-MSR
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Antimony	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Antimony	Total	DNQ	0.3	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Arsenic	Dissolved	=	2.1	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Arsenic	Total	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Barium	Total	=	31	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Beryllium	Total	DNQ	0.058	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Cadmium	Dissolved	DNQ	0.046	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Cadmium	Total	=	0.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Chromium	Dissolved	=	0.35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Chromium	Total	=	6.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:36:00 AM	Chromium VI	n/a	=	0.24	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Copper	Dissolved	=	2.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Copper	Total	=	8.2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 3:47:00 PM	Iron	Dissolved	=	14	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 4:22:00 PM	Iron	Total	=	3100	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Lead	Dissolved	DNQ	0.035	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Lead	Total	=	1.5	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 2:02:00 PM	Mercury	Dissolved	DNQ	19	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 2:03:00 PM	Mercury	Total	DNQ	28	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Nickel	Total	=	6.9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Selenium	Dissolved	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Selenium	Total	=	1.7	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Thallium	Total	DNQ	0.027	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 1:00:00 PM	Zinc	Dissolved	DNQ	2.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/12/2020 2:22:00 PM	Zinc	Total	=	24	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 3:18:00 PM	Ammonia as N	n/a	DNQ	0.027	mg/L	EPA 350.1	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-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/7/2020 5:17:00 PM	Nitrate + Nitrite as N	n/a	=	0.57	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 3:47:00 PM	Phosphorus as P	Dissolved	=	0.062	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/13/2020 4:22:00 PM	Phosphorus as P	Total	=	0.24	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:22:00 PM	TKN	n/a	=	0.96	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Benzenzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Benzo(a)pyrene	n/a	<	0.14	µg/L	EPA 525.2	0.14	0.2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.21	µg/L	EPA 525.2	0.21	10	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.1	µg/L	EPA 525.2	2.1	6	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Diethyl phthalate	n/a	DNQ	0.32	µg/L	EPA 625.1	0.15	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Di-n-butylphthalate	n/a	DNQ	0.23	µg/L	EPA 625.1	0.1	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/9/2020 10:30:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270C	0.1	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	PCB Aroclor 1016	n/a	<	0.1	µg/L	EPA 608.3	0.1	1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	PCB Aroclor 1221	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	PCB Aroclor 1232	n/a	<	0.3	µg/L	EPA 608.3	0.3	1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	PCB Aroclor 1242	n/a	<	0.14	µg/L	EPA 608.3	0.14	1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	PCB Aroclor 1248	n/a	<	0.12	µg/L	EPA 608.3	0.12	1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	PCB Aroclor 1254	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	PCB Aroclor 1260	n/a	<	0.08	µg/L	EPA 608.3	0.08	1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	4,4'-DDT	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	4,4'-DDD	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	4,4'-DDE	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	4,4'-DDT	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Alachlor	n/a	<	0.044	µg/L	EPA 525.2	0.044	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Aldrin	n/a	<	0.003	µg/L	EPA 608.3	0.003	0.01	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	alpha-BHC	n/a	<	0.0036	µg/L	EPA 608.3	0.0036	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	alpha-Chlordane	n/a	<	0.0082	µg/L	EPA 608.3	0.0082	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Atrazine	n/a	<	0.068	µg/L	EPA 525.2	0.068	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Azinphos methyl	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	beta-BHC	n/a	<	0.0062	µg/L	EPA 608.3	0.0062	0.01	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Bolstar	n/a	<	0.0092	µg/L	EPA 525.2m	0.0092	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Bromacil	n/a	<	0.076	µg/L	EPA 525.2	0.076	2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Butachlor	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.4	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Captan	n/a	<	1.7	µg/L	EPA 525.2	1.7	2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Chlordane (technical)	n/a	<	0.16	µg/L	EPA 608.3	0.16	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Chlorpropham	n/a	<	0.02	µg/L	EPA 525.2	0.02	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Chlorpyrifos	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Coumaphos	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Cyanazine	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	delta-BHC	n/a	<	0.005	µg/L	EPA 608.3	0.005	0.01	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Demeton-O	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Demeton-S	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Diazinon	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Diazinon	n/a	<	0.19	µg/L	EPA 525.2	0.19	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Dichlorvos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Dieldrin	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Dimethoate	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Dimethoate	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Diphenamid	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Disulfoton	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Disulfoton	n/a	<	0.062	µg/L	EPA 525.2	0.062	0.2	WKL	DG

Appendix G  
Laboratory Environmental 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	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Endosulfan I	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.04	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Endosulfan II	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Endosulfan sulfate	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.1	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Endrin	n/a	<	0.0056	µg/L	EPA 608.3	0.0056	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Endrin aldehyde	n/a	<	0.006	µg/L	EPA 608.3	0.006	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	EPTC	n/a	<	0.034	µg/L	EPA 525.2	0.034	2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Ethoprop	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Ethyl parathion	n/a	<	0.011	µg/L	EPA 525.2m	0.011	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Fensulfothion	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Fenthion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	gamma-BHC (Lindane)	n/a	<	0.0042	µg/L	EPA 608.3	0.0042	0.04	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	gamma-Chlordane	n/a	<	0.0088	µg/L	EPA 608.3	0.0088	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:13:00 PM	Glyphosate	n/a	<	36	µg/L	EPA 547	36	100	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Heptachlor	n/a	<	0.0034	µg/L	EPA 608.3	0.0034	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Heptachlor epoxide	n/a	<	0.0038	µg/L	EPA 608.3	0.0038	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Malathion	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Merphos	n/a	<	0.012	µg/L	EPA 525.2m	0.012	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Methoxychlor	n/a	<	0.011	µg/L	EPA 608.3	0.011	0.04	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Methyl parathion	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Metolachlor	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Metribuzin	n/a	<	0.03	µg/L	EPA 525.2	0.03	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Mevinphos	n/a	<	0.0084	µg/L	EPA 525.2m	0.0084	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Molinate	n/a	<	0.078	µg/L	EPA 525.2	0.078	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Naled	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 6:31:00 PM	Pentachlorophenol	n/a	DNQ	0.17	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:40:00 AM	Pentachlorophenol	n/a	DNQ	0.058	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/14/2020 2:03:00 AM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Phorate	n/a	<	0.006	µg/L	EPA 525.2m	0.006	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 2:13:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Prometon	n/a	<	0.048	µg/L	EPA 525.2	0.048	0.4	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Prometryn	n/a	<	0.072	µg/L	EPA 525.2	0.072	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0082	µg/L	EPA 525.2m	0.0082	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Simazine	n/a	<	0.03	µg/L	EPA 525.2	0.03	0.2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Terbacil	n/a	<	1.1	µg/L	EPA 525.2	1.1	4	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Thiobencarb	n/a	<	0.05	µg/L	EPA 525.2	0.05	0.4	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Tokuthion	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/15/2020 9:50:00 PM	Toxaphene	n/a	<	2	µg/L	EPA 608.3	2	2	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/20/2020 10:59:00 PM	Trichloronate	n/a	<	0.013	µg/L	EPA 525.2m	0.013	0.02	WKL	DG
MO-THO	2019/20-4	Wet	4/6/2020 8:40:00 AM	4/10/2020 8:35:00 PM	Trithion	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	DG
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/14/2020 3:17:00 AM	Chloride	n/a	=	240	mg/L	EPA 300.0	0.17	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/14/2020 3:17:00 AM	Fluoride	n/a	=	0.28	mg/L	EPA 300.0	0.018	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/14/2020 1:28:00 AM	Perchlorate	n/a	<	1.7	µg/L	EPA 314.0	1.7	4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/14/2020 3:17:00 AM	Sulfate	Total	=	330	mg/L	EPA 300.0	0.48	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/13/2020 7:00:00 AM	E. Coli	n/a	=	148	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/13/2020 7:00:00 AM	Total Coliform	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:19:00 PM	Calcium	Total	=	107	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:19:00 PM	Magnesium	Total	=	104	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-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:19:00 PM	Potassium	Total	=	2.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:19:00 PM	Sodium	Total	=	150	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 11:03:00 AM	Alkalinity as CaCO3	n/a	=	360	mg/L	SM 2320 B	0.56	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/18/2020 5:00:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 12:43:00 PM	COD	n/a	=	9.6	mg/L	EPA 410.4	2.9	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/12/2020 9:50:00 AM	Conductivity	n/a	=	1760	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 4:18:00 PM	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	85	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/27/2020 11:41:00 AM	Dissolved Organic Carbon	Dissolved	=	4.3	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/12/2020 9:50:00 AM	DO	n/a	=	9.61	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/12/2020 9:50:00 AM	DO	n/a	=	101.5	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:19:00 PM	Hardness as CaCO3	Total	=	699	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/13/2020 3:24:00 PM	MBAS	n/a	DNQ	0.043	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/12/2020 9:50:00 AM	pH	n/a	=	8.27	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/27/2020 1:00:00 PM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/12/2020 9:50:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/13/2020 12:58:00 PM	Specific Conductance	n/a	=	2000	µmhos/cm	SM 2510 B	0.7	6	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/12/2020 9:50:00 AM	Specific Conductance	n/a	=	2056	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/12/2020 9:50:00 AM	Temperature	n/a	=	17.5	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/14/2020 6:00:00 PM	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/28/2020 1:20:00 PM	Total Organic Carbon	n/a	=	4.8	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/16/2020 11:55:00 AM	Total Suspended Solids	n/a	DNQ	3	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/13/2020 5:30:00 PM	Turbidity	n/a	=	0.6	NTU	EPA 180.1	0.017	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/16/2020 11:55:00 AM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 9:54:00 PM	Diesel Range Organics	n/a	DNQ	0.05	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/17/2020 11:11:00 PM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 10:52:00 AM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 9:54:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Aluminum	Dissolved	DNQ	2.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Aluminum	Total	=	10	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Antimony	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Antimony	Total	DNQ	0.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Arsenic	Dissolved	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Arsenic	Total	=	2.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Barium	Total	=	22	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Chromium	Dissolved	=	0.28	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Chromium	Total	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/13/2020 1:49:00 PM	Chromium VI	n/a	=	0.23	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/28/2020 8:59:00 PM	Copper	Dissolved	=	0.97	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/28/2020 9:02:00 PM	Copper	Total	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:16:00 PM	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:19:00 PM	Iron	Total	=	11	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 1:06:00 PM	Mercury	Dissolved	DNQ	24	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 1:08:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	17	50	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Nickel	Total	=	1.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Selenium	Dissolved	=	0.95	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Selenium	Total	=	0.99	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:28:00 PM	Zinc	Dissolved	DNQ	1.6	µg/L	EPA 200.8	0.94	5	WKL	UL-MB
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:57:00 PM	Zinc	Total	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/14/2020 5:26:00 PM	Ammonia as N	n/a	DNQ	0.018	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/13/2020 1:17:00 PM	Nitrate + Nitrite as N	n/a	DNQ	0.16	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:16:00 PM	Phosphorus as P	Dissolved	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 6:19:00 PM	Phosphorus as P	Total	<	0.012	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/15/2020 5:26:00 PM	TKN	n/a	=	0.67	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	LB-LCSR
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	LB-LCSR
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	LB-LCSR
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	2-Methylnaphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	LB-LCSR
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Acenaphthylene	n/a	<	0.033	µg/L	EPA 8270C	0.033	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Benzo(a)pyrene	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Benzo(b)fluoranthene	n/a	<	0.027	µg/L	EPA 8270C	0.027	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	LB-LCSR
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Diethyl phthalate	n/a	DNQ	0.3	µg/L	EPA 625.1	0.15	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Dimethyl phthalate	n/a	=	4.7	µg/L	EPA 625.1	0.18	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Di-n-butylphthalate	n/a	DNQ	0.19	µg/L	EPA 625.1	0.1	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	LB-LCSR
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	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	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625.1	0.16	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 8:34:00 PM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 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-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/19/2020 7:44:00 PM	Glyphosate	n/a	<	18	µg/L	EPA 547	18	50	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/29/2020 6:33:00 AM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/22/2020 6:11:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/23/2020 7:23:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Ronnel (Fenclophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	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
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/2/2020 11:04:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	6/12/2020 1:57:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2019/20-5	Dry	5/12/2020 9:50:00 AM	5/21/2020 10:35:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/12/2020 7:00:00 AM	E. Coli	n/a	=	908	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/12/2020 7:00:00 AM	Total Coliform	n/a	=	51720	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/20/2020 5:29:00 PM	Calcium	Total	=	118	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/20/2020 5:29:00 PM	Magnesium	Total	=	114	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	Conductivity	n/a	=	1727	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	Discharge	n/a	=	1.8	cfs	Field Estimate	-88	-88	Field Crew	EST
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	DO	n/a	=	8.79	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	DO	n/a	=	93.4	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/20/2020 5:29:00 PM	Hardness as CaCO3	Total	=	764	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	pH	n/a	=	8.29	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	Salinity	n/a	=	1000	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	Specific Conductance	n/a	=	1992	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	Temperature	n/a	=	18.1	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/24/2020 3:23:00 PM	Total Organic Carbon	n/a	=	4.3	mg/L	SM 5310 B	0.096	0.3	WKL	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/11/2020 10:35:00 AM	Turbidity	n/a	=	2.53	NTU	Field Meter	-88	0.01	Field Crew	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/20/2020 4:26:00 PM	Copper	Dissolved	=	0.82	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/20/2020 4:26:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2020-DRY	Dry	8/11/2020 10:35:00 AM	8/20/2020 4:26:00 PM	Zinc	Dissolved	DNQ	1.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/5/2019 12:59:00 AM	Chloride	n/a	=	18	mg/L	EPA 300.0	0.42	2.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/5/2019 12:59:00 AM	Fluoride	n/a	DNQ	0.21	mg/L	EPA 300.0	0.045	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/6/2019 12:19:00 AM	Perchlorate	n/a	<	0.84	µg/L	EPA 314.0	0.84	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/5/2019 12:59:00 AM	Sulfate	Total	=	53	mg/L	EPA 300.0	1.2	2.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/28/2019 7:00:00 AM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/28/2019 7:00:00 AM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Calcium	Total	=	21.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Magnesium	Total	=	5.96	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Potassium	Total	=	5.7	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Sodium	Total	=	19	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/3/2019 3:34:00 PM	Alkalinity as CaCO3	n/a	=	66	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/3/2019 11:40:00 AM	BOD	n/a	=	31	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/6/2019 12:51:00 PM	COD	n/a	=	160	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/27/2019 6:20:00 AM	Conductivity	n/a	=	73.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/3/2019 5:49:00 PM	Cyanide	Total	=	0.0036	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 2:35:00 PM	Dissolved Inorganic Carbon	Dissolved	=	9.7	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 11:33:00 AM	Dissolved Organic Carbon	Dissolved	=	30	mg/L	SM 5310 B	0.013	0.3	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/27/2019 6:20:00 AM	DO	n/a	=	10.24	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/27/2019 6:20:00 AM	DO	n/a	=	94.5	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Hardness as CaCO3	Total	=	78.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/28/2019 11:38:00 AM	MBAS	n/a	=	0.39	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/27/2019 6:20:00 AM	pH	n/a	=	6.67	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/3/2019 5:33:00 PM	Phenolics	n/a	=	0.016	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/27/2019 6:20:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/27/2019 6:20:00 AM	Specific Conductance	n/a	=	101.6	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 12:09:00 PM	Specific Conductance	n/a	=	320	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/27/2019 6:20:00 AM	Temperature	n/a	=	10.7	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 8:55:00 PM	Total Dissolved Solids	n/a	=	230	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/11/2019 3:34:00 PM	Total Organic Carbon	n/a	=	33	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/2/2019 7:18:00 PM	Total Suspended Solids	n/a	=	460	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/28/2019 11:28:00 AM	Turbidity	n/a	=	280	NTU	EPA 180.1	0.17	1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/2/2019 7:18:00 PM	Volatile Suspended Solids	n/a	=	86	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/31/2019 1:52:00 AM	Diesel Range Organics	n/a	=	0.94	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/9/2019 12:24:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/14/2019 2:11:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/31/2019 1:52:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/22/2020 2:47:00 PM	Aluminum	Dissolved	=	32	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/22/2020 3:55:00 PM	Aluminum	Total	=	2000	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/22/2020 2:47:00 PM	Antimony	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/22/2020 3:55:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Arsenic	Dissolved	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Arsenic	Total	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Barium	Total	=	54	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/22/2020 2:47:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/22/2020 3:55:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/22/2020 2:47:00 PM	Cadmium	Dissolved	=	0.34	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/22/2020 3:55:00 PM	Cadmium	Total	=	0.88	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Chromium	Dissolved	=	0.84	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Chromium	Total	=	4.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/3/2019 6:59:00 PM	Chromium VI	n/a	=	0.48	µg/L	EPA 218.6	0.04	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Copper	Dissolved	=	23	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Copper	Total	=	73	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Iron	Dissolved	=	120	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Iron	Total	=	3200	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Lead	Dissolved	=	1.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Lead	Total	=	16	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/17/2019 5:22:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/17/2019 5:24:00 PM	Mercury	Total	DNQ	32	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Nickel	Dissolved	=	5.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Selenium	Dissolved	=	0.67	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Selenium	Total	=	0.77	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Thallium	Total	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:12:00 AM	Zinc	Dissolved	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 5:59:00 AM	Zinc	Total	=	260	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 4:32:00 PM	Ammonia as N	n/a	=	0.68	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/3/2019 1:28:00 PM	Nitrate + Nitrite as N	n/a	=	0.41	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Phosphorus as P	Dissolved	=	0.4	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/9/2020 2:53:00 PM	Phosphorus as P	Total	=	0.75	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 5:04:00 PM	TKN	n/a	=	3.8	mg/L	EPA 351.2	0.018	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	EST-LCSRPD
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/28/2019 1:22:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270C	0.7	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Benzenzidine	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 PM	Benzo(a)pyrene	n/a	=	2.2	µg/L	EPA 525.2	1.4	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	2.1	µg/L	EPA 525.2	2.1	100	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	21	µg/L	EPA 525.2	21	60	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Butyl benzyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Di-n-butylphthalate	n/a	<	0.5	µg/L	EPA 625.1	0.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	11/28/2019 1:22:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 5:43:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608.3	0.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608.3	1.5	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608.3	0.7	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608.3	0.6	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608.3	0.4	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	2,4-DB	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	2,4-DB	n/a	<	6.2	µg/L	EPA 515.4	6.2	6.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Alachlor	n/a	<	0.44	µg/L	EPA 525.2	0.44	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Aldrin	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608.3	0.018	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608.3	0.041	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Atrazine	n/a	<	0.68	µg/L	EPA 525.2	0.68	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Azinphos methyl	n/a	<	0.028	µg/L	EPA 525.2m	0.028	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	Bentazon	n/a	=	3.3	µg/L	EPA 515.4	0.23	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	beta-BHC	n/a	<	0.031	µg/L	EPA 608.3	0.031	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Bolstar	n/a	<	0.023	µg/L	EPA 525.2m	0.023	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Bromacil	n/a	<	0.76	µg/L	EPA 525.2	0.76	20	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Butachlor	n/a	<	0.34	µg/L	EPA 525.2	0.34	4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Captan	n/a	<	17	µg/L	EPA 525.2	17	20	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608.3	0.8	1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Chlorpropham	n/a	<	0.2	µg/L	EPA 525.2	0.2	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Chlorpyrifos	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Coumaphos	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Cyanazine	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	delta-BHC	n/a	<	0.025	µg/L	EPA 608.3	0.025	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Demeton-O	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Demeton-S	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Diazinon	n/a	<	1.9	µg/L	EPA 525.2	1.9	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Diazinon	n/a	<	0.026	µg/L	EPA 525.2m	0.026	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Dichlorvos	n/a	DNQ	0.026	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Dieldrin	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Dimethoate	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Dimethoate	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Diphenamid	n/a	<	0.48	µg/L	EPA 525.2	0.48	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Disulfoton	n/a	<	0.62	µg/L	EPA 525.2	0.62	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Disulfoton	n/a	<	0.05	µg/L	EPA 525.2m	0.05	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608.3	0.08	0.5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Endrin	n/a	<	0.028	µg/L	EPA 608.3	0.028	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608.3	0.03	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	EPTC	n/a	<	0.34	µg/L	EPA 525.2	0.34	20	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Ethoprop	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Ethyl parathion	n/a	<	0.027	µg/L	EPA 525.2m	0.027	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Fensulfothion	n/a	<	0.014	µg/L	EPA 525.2m	0.014	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Fenthion	n/a	<	0.019	µg/L	EPA 525.2m	0.019	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608.3	0.021	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608.3	0.044	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 2:32:00 AM	Glyphosate	n/a	=	14	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Heptachlor	n/a	<	0.017	µg/L	EPA 608.3	0.017	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608.3	0.019	0.1	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Malathion	n/a	=	0.14	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Merphos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608.3	0.054	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Methyl parathion	n/a	<	0.032	µg/L	EPA 525.2m	0.032	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Metolachlor	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Metribuzin	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Mevinphos	n/a	<	0.021	µg/L	EPA 525.2m	0.021	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Molinate	n/a	<	0.78	µg/L	EPA 525.2	0.78	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Naled	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/10/2019 12:05:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	1/10/2020 4:32:00 AM	Pentachlorophenol	n/a	DNQ	2.4	µg/L	EPA 8270C	0.75	5	WKL	HB-LCSR
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Phorate	n/a	<	0.015	µg/L	EPA 525.2m	0.015	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/13/2019 4:57:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Prometon	n/a	<	0.48	µg/L	EPA 525.2	0.48	4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Prometryn	n/a	<	0.72	µg/L	EPA 525.2	0.72	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.02	µg/L	EPA 525.2m	0.02	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Simazine	n/a	<	0.3	µg/L	EPA 525.2	0.3	2	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.016	µg/L	EPA 525.2m	0.016	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Terbacil	n/a	<	11	µg/L	EPA 525.2	11	40	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Thiobencarb	n/a	<	0.5	µg/L	EPA 525.2	0.5	4	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Tokuthion	n/a	<	0.039	µg/L	EPA 525.2m	0.039	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/20/2019 11:37:00 PM	Toxaphene	n/a	<	1.2	µg/L	EPA 608.3	1.2	5	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/4/2019 10:49:00 PM	Trichloronate	n/a	<	0.034	µg/L	EPA 525.2m	0.034	0.05	WKL	
MO-VEN	2019/20-1	Wet	11/27/2019 6:20:00 AM	12/12/2019 12:19:00 AM	Trithion	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/17/2020 7:30:00 PM	E. Coli	n/a	=	910	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/17/2020 7:30:00 PM	Total Coliform	n/a	=	61130	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/16/2020 8:49:00 PM	Conductivity	n/a	=	65.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/29/2020 6:15:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/16/2020 8:49:00 PM	DO	n/a	=	9.6	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/16/2020 8:49:00 PM	DO	n/a	=	94.5	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/16/2020 8:49:00 PM	pH	n/a	=	7.26	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/16/2020 8:49:00 PM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/16/2020 8:49:00 PM	Specific Conductance	n/a	=	66.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/16/2020 8:49:00 PM	Temperature	n/a	=	12.7	°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	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/20/2020 1:23:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/23/2020 4:41:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/17/2020 9:13:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 8:49:00 PM	1/17/2020 9:13:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/20/2020 6:00:00 PM	Chloride	n/a	=	8.6	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/20/2020 6:00:00 PM	Fluoride	n/a	DNQ	0.083	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/21/2020 10:40:00 AM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/20/2020 6:00:00 PM	Sulfate	Total	=	22	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/29/2020 5:52:00 PM	Calcium	Total	=	10.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/29/2020 5:52:00 PM	Magnesium	Total	=	2.08	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/29/2020 5:52:00 PM	Potassium	Total	=	2.8	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/29/2020 5:52:00 PM	Sodium	Total	=	8	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/22/2020 12:13:00 PM	Alkalinity as CaCO3	n/a	=	20	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/22/2020 4:47:00 AM	BOD	n/a	=	23	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/22/2020 11:07:00 AM	COD	n/a	=	75	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 3:57:00 PM	Dissolved Inorganic Carbon	Dissolved	=	4.5	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/22/2020 12:36:00 PM	Dissolved Organic Carbon	Dissolved	=	26	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/29/2020 5:52:00 PM	Hardness as CaCO3	Total	=	34.2	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/17/2020 7:29:00 PM	MBAS	n/a	=	0.33	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/21/2020 5:27:00 PM	Phenolics	n/a	=	0.045	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/21/2020 11:54:00 AM	Specific Conductance	n/a	=	140	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/20/2020 6:52:00 PM	Total Dissolved Solids	n/a	=	170	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/20/2020 12:41:00 PM	Total Organic Carbon	n/a	=	26	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/21/2020 7:00:00 PM	Total Suspended Solids	n/a	=	140	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/17/2020 6:28:00 PM	Turbidity	n/a	=	29	NTU	EPA 180.1	0.017	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/21/2020 7:00:00 PM	Volatile Suspended Solids	n/a	=	34	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 3:38:00 AM	Diesel Range Organics	n/a	=	0.84	mg/L	EPA 8015D	0.12	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 3:38:00 AM	Oil Range Organics	n/a	<	1.6	mg/L	EPA 8015D	1.6	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Aluminum	Dissolved	=	27	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Aluminum	Total	=	490	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Antimony	Dissolved	=	0.94	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Antimony	Total	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Arsenic	Dissolved	=	0.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Arsenic	Total	=	0.98	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Barium	Total	=	18	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Cadmium	Dissolved	DNQ	0.053	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Cadmium	Total	DNQ	0.087	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Chromium	Dissolved	=	0.81	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Chromium	Total	=	1.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/20/2020 1:31:00 PM	Chromium VI	n/a	=	0.6	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Copper	Dissolved	=	10	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Copper	Total	=	16	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/29/2020 5:49:00 PM	Iron	Dissolved	=	77	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/29/2020 5:52:00 PM	Iron	Total	=	770	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Lead	Dissolved	=	0.55	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Lead	Total	=	2.5	µg/L	EPA 200.8	0.031	0.2	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/21/2020 5:15:00 PM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/21/2020 5:17:00 PM	Mercury	Total	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Nickel	Dissolved	=	3.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Nickel	Total	=	3.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Selenium	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Selenium	Total	=	0.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Thallium	Total	DNQ	0.017	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 7:10:00 PM	Zinc	Dissolved	=	63	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/4/2020 8:54:00 PM	Zinc	Total	=	79	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/22/2020 2:31:00 PM	Ammonia as N	n/a	=	0.58	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/20/2020 12:44:00 PM	Nitrate + Nitrite as N	n/a	=	0.43	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/31/2020 5:31:00 PM	Phosphorus as P	Dissolved	=	0.11	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/5/2020 9:31:00 PM	Phosphorus as P	Total	=	0.28	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 5:50:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	1,2,4-Trichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	1,2-Dichlorobenzene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	1,2-Diphenylhydrazine	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	1,3-Dichlorobenzene	n/a	<	2.1	µg/L	EPA 625.1	2.1	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	1,4-Dichlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2,4,6-Trichlorophenol	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2,4-Dichlorophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270C	2.6	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2,4-Dimethylphenol	n/a	<	1.5	µg/L	EPA 625.1	1.5	5	WKL	LB-LCSR
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2,4-Dinitrophenol	n/a	<	9.4	µg/L	EPA 625.1	9.4	50	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2,4-Dinitrotoluene	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2,6-Dinitrotoluene	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2-Chloronaphthalene	n/a	<	2.2	µg/L	EPA 625.1	2.2	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2-Chlorophenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270C	3.2	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270C	1.7	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	2-Nitrophenol	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270C	3.6	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	3,3'-Dichlorobenzidine	n/a	<	5	µg/L	EPA 625.1	5	25	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	7	µg/L	EPA 625.1	7	25	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	4,6-Dinitro-2-methylphenol	n/a	DNQ	2.1	µg/L	EPA 8270C	0.7	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	4-Bromophenyl phenyl ether	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	4-Chloro-3-methylphenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	4-Chlorophenyl phenyl ether	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	4-Nitrophenol	n/a	<	6.2	µg/L	EPA 625.1	6.2	25	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270C	5	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Acenaphthene	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Acenaphthylene	n/a	<	0.85	µg/L	EPA 625.1	0.85	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Anthracene	n/a	<	0.6	µg/L	EPA 625.1	0.6	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Benz(a)anthracene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Benzo(a)pyrene	n/a	<	7.2	µg/L	EPA 625.1	7.2	50	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Benzo(a)pyrene	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Benzo(b)fluoranthene	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Benzo(g,h,i)perylene	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Benzo(k)fluoranthene	n/a	<	1.1	µg/L	EPA 625.1	1.1	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Bis(2-chloroethoxy)methane	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Bis(2-chloroethyl)ether	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	1.9	µg/L	EPA 625.1	1.9	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	12	µg/L	EPA 625.1	12	25	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Butyl benzyl phthalate	n/a	DNQ	2	µg/L	EPA 625.1	0.9	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Chrysene	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Dibenz(a,h)anthracene	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Diethyl phthalate	n/a	<	0.75	µg/L	EPA 625.1	0.75	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Dimethyl phthalate	n/a	<	0.9	µg/L	EPA 625.1	0.9	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Di-n-butylphthalate	n/a	DNQ	1.1	µg/L	EPA 625.1	0.5	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Di-n-octylphthalate	n/a	<	2.3	µg/L	EPA 625.1	2.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Fluoranthene	n/a	<	0.4	µg/L	EPA 625.1	0.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Fluorene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Hexachlorobenzene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Hexachlorobutadiene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Hexachlorocyclopentadiene	n/a	<	4.9	µg/L	EPA 625.1	4.9	25	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Hexachloroethane	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Isophorone	n/a	<	1	µg/L	EPA 625.1	1	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Naphthalene	n/a	<	2.4	µg/L	EPA 625.1	2.4	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Nitrobenzene	n/a	<	1.8	µg/L	EPA 625.1	1.8	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	N-Nitrosodimethylamine	n/a	<	2.5	µg/L	EPA 625.1	2.5	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	N-Nitrosodi-N-propylamine	n/a	<	1.3	µg/L	EPA 625.1	1.3	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	N-Nitrosodiphenylamine	n/a	<	0.95	µg/L	EPA 625.1	0.95	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Phenanthrene	n/a	<	1.6	µg/L	EPA 625.1	1.6	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Phenol	n/a	<	0.8	µg/L	EPA 625.1	0.8	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270C	1.8	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/30/2020 11:07:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270C	0.5	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Pyrene	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	2,4-DB	n/a	<	3	µg/L	EPA 515.4	3	3	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	Bentazon	n/a	DNQ	1.6	µg/L	EPA 515.4	0.23	2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	DCPA (Dacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 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-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/20/2020 2:49:00 PM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Malathion	n/a	=	0.025	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/6/2020 7:39:00 AM	Pentachlorophenol	n/a	<	2	µg/L	EPA 625.1	2	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/1/2020 2:41:00 AM	Pentachlorophenol	n/a	DNQ	0.77	µg/L	EPA 8270C	0.75	5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/25/2020 10:44:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 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
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	2/19/2020 1:06:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/28/2020 4:51:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2019/20-2	Wet	1/16/2020 9:01:00 PM	1/23/2020 10:45:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/11/2020 1:30:00 PM	E. Coli	n/a	=	198630	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/11/2020 1:30:00 PM	Total Coliform	n/a	=	241960	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/10/2020 9:20:00 AM	Conductivity	n/a	=	293.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/21/2020 12:16:00 PM	Cyanide	Total	=	0.0058	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/10/2020 9:20:00 AM	DO	n/a	=	6.27	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/10/2020 9:20:00 AM	DO	n/a	=	64.3	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/10/2020 9:20:00 AM	pH	n/a	=	7.31	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/10/2020 9:20:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/10/2020 9:20:00 AM	Specific Conductance	n/a	=	359.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/10/2020 9:20:00 AM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/17/2020 12:21:00 AM	Gasoline Range Organics	n/a	DNQ	0.07	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/18/2020 7:29:00 PM	Oil and Grease	n/a	DNQ	1.6	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/11/2020 8:54:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.19	µg/L	EPA 624	0.19	1	WKL	
MO-VEN	2019/20-3	Wet	3/10/2020 9:20:00 AM	3/11/2020 8:54:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.4	µg/L	EPA 624	0.4	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/13/2020 1:38:00 AM	Chloride	n/a	=	3.5	mg/L	EPA 300.0	0.085	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/13/2020 1:38:00 AM	Fluoride	n/a	DNQ	0.043	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/12/2020 8:10:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/13/2020 1:38:00 AM	Sulfate	Total	=	11	mg/L	EPA 300.0	0.24	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:47:00 PM	Calcium	Total	=	9.37	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:47:00 PM	Magnesium	Total	=	3.24	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:47:00 PM	Potassium	Total	=	3.4	mg/L	EPA 200.7	0.081	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:47:00 PM	Sodium	Total	=	3.6	mg/L	EPA 200.7	0.015	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/16/2020 12:49:00 PM	Alkalinity as CaCO3	n/a	=	22	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 4:54:00 PM	BOD	n/a	=	13	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 11:58:00 AM	COD	n/a	=	100	mg/L	EPA 410.4	2.9	5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 2:40:00 PM	Dissolved Inorganic Carbon	Dissolved	=	3.6	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/31/2020 2:59:00 PM	Dissolved Organic Carbon	Dissolved	=	10	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:47:00 PM	Hardness as CaCO3	Total	=	36.8	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/12/2020 3:39:00 PM	MBAS	n/a	=	0.06	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 3:54:00 PM	Phenolics	n/a	DNQ	0.0081	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/13/2020 3:41:00 PM	Specific Conductance	n/a	=	80	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/13/2020 5:40:00 PM	Total Dissolved Solids	n/a	=	40	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/13/2020 4:28:00 PM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/13/2020 6:35:00 PM	Total Suspended Solids	n/a	=	460	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/12/2020 12:46:00 PM	Turbidity	n/a	=	70	NTU	EPA 180.1	0.085	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/13/2020 4:41:00 PM	Volatile Suspended Solids	n/a	=	92	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 11:26:00 AM	Diesel Range Organics	n/a	=	0.41	mg/L	EPA 8015D	0.048	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 11:26:00 AM	Oil Range Organics	n/a	=	1.2	mg/L	EPA 8015D	0.66	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Aluminum	Dissolved	=	24	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Aluminum	Total	=	4800	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Antimony	Dissolved	=	0.64	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Antimony	Total	=	2.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Arsenic	Dissolved	=	0.69	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-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Arsenic	Total	=	2.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Barium	Total	=	69	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Cadmium	Total	=	0.32	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Chromium	Dissolved	=	1.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/12/2020 12:42:00 PM	Chromium VI	n/a	=	1.6	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Copper	Dissolved	=	5.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Copper	Total	=	31	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:44:00 PM	Iron	Dissolved	=	65	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:47:00 PM	Iron	Total	=	6900	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Lead	Dissolved	=	0.37	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Lead	Total	=	18	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/16/2020 11:00:00 AM	Mercury	Dissolved	<	17	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/16/2020 11:02:00 AM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Nickel	Total	=	9.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Selenium	Dissolved	DNQ	0.2	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Selenium	Total	=	0.42	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Thallium	Dissolved	DNQ	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Thallium	Total	DNQ	0.061	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 4:43:00 PM	Zinc	Dissolved	=	23	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 5:51:00 PM	Zinc	Total	=	190	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 4:32:00 PM	Ammonia as N	n/a	=	0.2	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/12/2020 11:39:00 AM	Nitrate + Nitrite as N	n/a	=	0.47	mg/L	EPA 353.2	0.08	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:44:00 PM	Phosphorus as P	Dissolved	=	0.13	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/20/2020 12:47:00 PM	Phosphorus as P	Total	=	0.58	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/16/2020 5:20:00 PM	TKN	n/a	=	1.1	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	1,2,4-Trichlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	1,2-Dichlorobenzene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	1,2-Diphenylhydrazine	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	1,3-Dichlorobenzene	n/a	<	4.2	µg/L	EPA 625.1	4.2	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	1,4-Dichlorobenzene	n/a	<	4.8	µg/L	EPA 625.1	4.8	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270C	2.9	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270C	5.1	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625.1	3	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2,4-Dinitrophenol	n/a	<	19	µg/L	EPA 625.1	19	100	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625.1	1.8	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-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625.1	4.5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625.1	2.8	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270C	6.5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270C	3.4	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270C	7.1	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	3,3'-Dichlorobenzidine	n/a	<	9.9	µg/L	EPA 625.1	9.9	50	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270C	3	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270C	1.4	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	14	µg/L	EPA 625.1	14	50	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270C	3.7	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625.1	2.3	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625.1	4.1	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	4-Nitrophenol	n/a	<	12	µg/L	EPA 625.1	12	50	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270C	10	20	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Acenaphthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Acenaphthylene	n/a	<	1.7	µg/L	EPA 625.1	1.7	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Anthracene	n/a	<	1.2	µg/L	EPA 625.1	1.2	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Benzidine	n/a	<	14	µg/L	EPA 625.1	14	100	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Benzo(a)pyrene	n/a	<	3.9	µg/L	EPA 625.1	3.9	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 525.2	0.7	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Benzo(b)fluoranthene	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Benzo(g,h,i)perylene	n/a	<	4.2	µg/L	EPA 625.1	4.2	20	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625.1	2.2	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625.1	2.7	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625.1	3.8	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	1	µg/L	EPA 525.2	1	50	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625.1	23	50	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	11	µg/L	EPA 525.2	11	30	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Butyl benzyl phthalate	n/a	DNQ	4.3	µg/L	EPA 625.1	1.8	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Chrysene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Dibenz(a,h)anthracene	n/a	<	5.3	µg/L	EPA 625.1	5.3	20	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625.1	1.5	10	WKL	



Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625.1	1.8	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Di-n-butylphthalate	n/a	DNQ	2.4	µg/L	EPA 625.1	1	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Di-n-octylphthalate	n/a	<	4.6	µg/L	EPA 625.1	4.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Fluoranthene	n/a	DNQ	1.2	µg/L	EPA 625.1	0.8	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Fluoranthene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625.1	3.5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Fluorene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625.1	4.7	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Hexachlorocyclopentadiene	n/a	<	9.8	µg/L	EPA 625.1	9.8	50	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Hexachloroethane	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	5.5	µg/L	EPA 625.1	5.5	20	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625.1	2.1	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625.1	4.9	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Naphthalene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625.1	3.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	N-Nitrosodimethylamine	n/a	<	5	µg/L	EPA 625.1	5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625.1	2.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Phenanthrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625.1	3.2	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270C	3.5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625.1	1.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625.1	2.5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 7:35:00 PM	Pyrene	n/a	<	1	µg/L	EPA 8270C	1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	2,4-D	n/a	<	0.14	µg/L	EPA 515.4	0.14	0.4	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	4,4'-DDE	n/a	DNQ	0.038	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	4,4'-DDT	n/a	DNQ	0.025	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	Acifluorfen	n/a	<	0.072	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Alachlor	n/a	<	0.22	µg/L	EPA 525.2	0.22	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Atrazine	n/a	<	0.34	µg/L	EPA 525.2	0.34	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Azinphos methyl	n/a	<	0.28	µg/L	EPA 525.2m	0.28	0.5	WKL	

Appendix G  
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Bolstar	n/a	<	0.23	µg/L	EPA 525.2m	0.23	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Bromacil	n/a	<	0.38	µg/L	EPA 525.2	0.38	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Butachlor	n/a	<	0.17	µg/L	EPA 525.2	0.17	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Captan	n/a	<	8.6	µg/L	EPA 525.2	8.6	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Chlorpropham	n/a	<	0.1	µg/L	EPA 525.2	0.1	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Chlorpyrifos	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Coumaphos	n/a	<	0.26	µg/L	EPA 525.2m	0.26	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Cyanazine	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	Dalapon	n/a	<	0.11	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	DCPA (Daacthal)	n/a	<	0.053	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Demeton-O	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Demeton-S	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Diazinon	n/a	<	0.26	µg/L	EPA 525.2m	0.26	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Diazinon	n/a	<	0.96	µg/L	EPA 525.2	0.96	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	Dicamba	n/a	<	0.075	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Dichlorvos	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Dimethoate	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Dimethoate	n/a	<	0.31	µg/L	EPA 525.2m	0.31	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Diphenamid	n/a	<	0.24	µg/L	EPA 525.2	0.24	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Disulfoton	n/a	<	0.5	µg/L	EPA 525.2m	0.5	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Disulfoton	n/a	<	0.31	µg/L	EPA 525.2	0.31	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	EPTC	n/a	<	0.17	µg/L	EPA 525.2	0.17	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Ethoprop	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Ethyl parathion	n/a	<	0.27	µg/L	EPA 525.2m	0.27	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Fensulfothion	n/a	<	0.14	µg/L	EPA 525.2m	0.14	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Fenthion	n/a	<	0.19	µg/L	EPA 525.2m	0.19	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/12/2020 5:40:00 PM	Glyphosate	n/a	=	23	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Malathion	n/a	<	0.38	µg/L	EPA 525.2m	0.38	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Merphos	n/a	<	0.29	µg/L	EPA 525.2m	0.29	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Methyl parathion	n/a	<	0.32	µg/L	EPA 525.2m	0.32	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Metolachlor	n/a	<	0.12	µg/L	EPA 525.2	0.12	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	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Metribuzin	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Mevinphos	n/a	<	0.21	µg/L	EPA 525.2m	0.21	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Molinate	n/a	<	0.39	µg/L	EPA 525.2	0.39	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	4/1/2020 3:19:00 AM	Naled	n/a	<	0.38	µg/L	EPA 525.2m	0.38	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/18/2020 6:34:00 PM	Pentachlorophenol	n/a	<	4	µg/L	EPA 625.1	4	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	Pentachlorophenol	n/a	DNQ	0.08	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 2:31:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270C	1.5	10	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Phorate	n/a	<	0.15	µg/L	EPA 525.2m	0.15	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/17/2020 9:06:00 PM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Prometon	n/a	<	0.24	µg/L	EPA 525.2	0.24	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Prometryn	n/a	<	0.36	µg/L	EPA 525.2	0.36	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Ronnel (Fenclorophos)	n/a	<	0.2	µg/L	EPA 525.2m	0.2	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Simazine	n/a	<	0.15	µg/L	EPA 525.2	0.15	1	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.16	µg/L	EPA 525.2m	0.16	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Terbacil	n/a	<	5.5	µg/L	EPA 525.2	5.5	20	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Thiobencarb	n/a	<	0.25	µg/L	EPA 525.2	0.25	2	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Tokuthion	n/a	<	0.39	µg/L	EPA 525.2m	0.39	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/30/2020 6:01:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608.3	0.6	2.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/24/2020 11:18:00 PM	Trichloronate	n/a	<	0.34	µg/L	EPA 525.2m	0.34	0.5	WKL	
MO-VEN	2019/20-3	Wet	3/11/2020 10:00:00 AM	3/19/2020 7:00:00 PM	Trithion	n/a	<	0.12	µg/L	EPA 525.2	0.12	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/29/2020 7:00:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/29/2020 7:00:00 AM	Total Coliform	n/a	>	2419600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/28/2020 11:20:00 AM	Conductivity	n/a	=	8440	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	5/6/2020 3:32:00 PM	Cyanide	Total	=	0.0025	mg/L	ASTM D7511	0.0003	0.002	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/28/2020 11:20:00 AM	DO	n/a	=	17.8	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/28/2020 11:20:00 AM	DO	n/a	=	243.7	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/28/2020 11:20:00 AM	pH	n/a	=	8.66	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/28/2020 11:20:00 AM	Salinity	n/a	=	4300	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/28/2020 11:20:00 AM	Specific Conductance	n/a	=	7820	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/28/2020 11:20:00 AM	Temperature	n/a	=	30.8	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2019/20-5	Dry	4/28/2020 11:20:00 AM	4/30/2020 1:24:00 AM	Gasoline Range Organics	n/a	<	0.065	mg/L	LUFT GC/MS	0.065	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 5:13:00 AM	Chloride	n/a	=	420	mg/L	EPA 300.0	1.4	8	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/29/2020 7:02:00 PM	Fluoride	n/a	=	0.4	mg/L	EPA 300.0	0.009	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/29/2020 4:58:00 PM	Perchlorate	n/a	<	4.2	µg/L	EPA 314.0	4.2	10	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 5:13:00 AM	Sulfate	Total	=	3100	mg/L	EPA 300.0	3.8	8	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 2:07:00 PM	Calcium	Total	=	432	mg/L	EPA 200.7	0.8	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 4:44:00 PM	Magnesium	Total	=	302	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 2:10:00 PM	Potassium	Total	=	32	mg/L	EPA 200.7	1.6	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 2:07:00 PM	Sodium	Total	=	1600	mg/L	EPA 200.7	0.75	25	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/5/2020 12:48:00 PM	Alkalinity as CaCO3	n/a	=	130	mg/L	SM 2320 B	0.56	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 11:37:00 AM	BOD	n/a	=	13	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/5/2020 4:21:00 PM	COD	n/a	=	180	mg/L	EPA 410.4	2.9	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 1:29:00 PM	Dissolved Inorganic Carbon	Dissolved	=	23	mg/L	SM 5310 B	0.5	0.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/1/2020 10:20:00 AM	Dissolved Organic Carbon	Dissolved	=	56	mg/L	SM 5310 B	0.016	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 4:44:00 PM	Hardness as CaCO3	Total	=	2320	mg/L	EPA 200.7	2.05	12.9	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/29/2020 3:26:00 PM	MBAS	n/a	=	0.2	mg/L	SM 5540 C	0.017	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 4:20:00 PM	Phenolics	n/a	=	0.044	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/1/2020 1:16:00 PM	Specific Conductance	n/a	=	12000	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	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 4:25:00 PM	Total Dissolved Solids	n/a	=	7900	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/11/2020 3:18:00 PM	Total Organic Carbon	n/a	=	48	mg/L	SM 5310 B	0.073	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/1/2020 1:53:00 PM	Total Suspended Solids	n/a	=	35	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/29/2020 2:04:00 PM	Turbidity	n/a	=	3.8	NTU	EPA 180.1	0.017	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/1/2020 1:53:00 PM	Volatile Suspended Solids	n/a	=	18	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/6/2020 10:06:00 PM	Diesel Range Organics	n/a	=	1.1	mg/L	EPA 8015D	0.032	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/6/2020 10:06:00 PM	Oil Range Organics	n/a	DNQ	0.35	mg/L	EPA 8015D	0.33	0.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Aluminum	Dissolved	DNQ	3.6	µg/L	EPA 200.8	1.3	5	WKL	UL-MB
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Aluminum	Total	=	37	µg/L	EPA 200.8	1.3	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Antimony	Total	=	1.6	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Arsenic	Dissolved	=	8.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Arsenic	Total	=	8.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Barium	Total	=	79	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Cadmium	Dissolved	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Cadmium	Total	=	0.13	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Chromium	Dissolved	=	0.32	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Chromium	Total	=	0.38	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/29/2020 2:57:00 PM	Chromium VI	n/a	=	0.18	µg/L	EPA 218.6	0.0079	0.02	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Copper	Dissolved	=	64	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Copper	Total	=	65	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 1:23:00 PM	Iron	Dissolved	=	37	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 4:44:00 PM	Iron	Total	=	110	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Lead	Dissolved	=	0.62	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Lead	Total	=	0.87	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/1/2020 1:24:00 PM	Mercury	Dissolved	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/1/2020 1:25:00 PM	Mercury	Total	DNQ	20	ng/L	EPA 245.1	17	50	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Nickel	Dissolved	=	9.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Nickel	Total	=	9.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Selenium	Dissolved	=	21	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Selenium	Total	=	21	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Thallium	Dissolved	DNQ	0.046	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Thallium	Total	DNQ	0.015	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:43:00 PM	Zinc	Dissolved	=	7.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 12:57:00 PM	Zinc	Total	=	12	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 2:28:00 PM	Ammonia as N	n/a	DNQ	0.05	mg/L	EPA 350.1	0.012	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/29/2020 4:49:00 PM	Nitrate + Nitrite as N	n/a	<	0.036	mg/L	EPA 353.2	0.036	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 1:23:00 PM	Phosphorus as P	Dissolved	=	0.067	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/4/2020 4:44:00 PM	Phosphorus as P	Total	=	0.1	mg/L	EPA 200.7	0.012	0.02	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/6/2020 5:13:00 PM	TKN	n/a	=	4.5	mg/L	EPA 351.2	0.018	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	1,2-Dichlorobenzene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	1,2-Diphenylhydrazine	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	1,3-Dichlorobenzene	n/a	<	0.42	µg/L	EPA 625.1	0.42	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	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	1,4-Dichlorobenzene	n/a	<	0.48	µg/L	EPA 625.1	0.48	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	1-Methylnaphthalene	n/a	<	0.024	µg/L	EPA 8270C	0.024	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270C	0.29	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270C	0.51	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625.1	0.3	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2,4-Dinitrophenol	n/a	<	1.9	µg/L	EPA 625.1	1.9	10	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625.1	0.45	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625.1	0.28	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270C	0.65	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	2-Methylnaphthalene	n/a	DNQ	0.033	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270C	0.34	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270C	0.71	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	3,3'-Dichlorobenzidine	n/a	<	0.99	µg/L	EPA 625.1	0.99	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270C	0.3	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 625.1	1.4	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270C	0.14	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625.1	0.23	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270C	0.37	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625.1	0.41	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	4-Nitrophenol	n/a	<	1.2	µg/L	EPA 625.1	1.2	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270C	1	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Acenaphthene	n/a	<	0.028	µg/L	EPA 8270C	0.028	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Acenaphthylene	n/a	DNQ	0.075	µg/L	EPA 8270C	0.033	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Acenaphthylene	n/a	<	0.17	µg/L	EPA 625.1	0.17	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Anthracene	n/a	<	0.12	µg/L	EPA 625.1	0.12	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Anthracene	n/a	<	0.025	µg/L	EPA 8270C	0.025	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Benz(a)anthracene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Benzidine	n/a	<	1.4	µg/L	EPA 625.1	1.4	10	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Benzo(a)pyrene	n/a	<	0.39	µg/L	EPA 625.1	0.39	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Benzo(a)pyrene	n/a	<	0.051	µg/L	EPA 8270C	0.051	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Benzo(b)fluoranthene	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Benzo(b)fluoranthene	n/a	<	0.027	µg/L	EPA 8270C	0.027	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Benzo(g,h,i)perylene	n/a	<	0.42	µg/L	EPA 625.1	0.42	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Benzo(g,h,i)perylene	n/a	<	0.05	µg/L	EPA 8270C	0.05	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625.1	0.22	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Benzo(k)fluoranthene	n/a	<	0.026	µg/L	EPA 8270C	0.026	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	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625.1	0.27	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625.1	0.38	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.6	µg/L	EPA 625.1	2.3	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.52	µg/L	EPA 625.1	0.18	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Chrysene	n/a	<	0.032	µg/L	EPA 8270C	0.032	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Dibenz(a,h)anthracene	n/a	<	0.53	µg/L	EPA 625.1	0.53	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Dibenz(a,h)anthracene	n/a	<	0.096	µg/L	EPA 8270C	0.096	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Diethyl phthalate	n/a	DNQ	0.18	µg/L	EPA 625.1	0.15	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625.1	0.18	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Di-n-butylphthalate	n/a	DNQ	0.28	µg/L	EPA 625.1	0.1	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Di-n-octylphthalate	n/a	<	0.46	µg/L	EPA 625.1	0.46	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Fluoranthene	n/a	<	0.08	µg/L	EPA 625.1	0.08	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Fluoranthene	n/a	<	0.039	µg/L	EPA 8270C	0.039	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625.1	0.35	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Fluorene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625.1	0.47	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Hexachlorocyclopentadiene	n/a	<	0.98	µg/L	EPA 625.1	0.98	5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Hexachloroethane	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.55	µg/L	EPA 625.1	0.55	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.065	µg/L	EPA 8270C	0.065	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625.1	0.21	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625.1	0.49	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Naphthalene	n/a	<	0.026	µg/L	EPA 8270C	0.026	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625.1	0.36	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	N-Nitrosodimethylamine	n/a	<	0.5	µg/L	EPA 625.1	0.5	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625.1	0.26	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625.1	0.19	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625.1	0.32	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Phenanthrene	n/a	<	0.029	µg/L	EPA 8270C	0.029	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Phenol	n/a	DNQ	0.21	µg/L	EPA 625.1	0.16	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270C	0.35	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625.1	0.25	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 3:58:00 AM	Pyrene	n/a	<	0.04	µg/L	EPA 8270C	0.04	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608.3	0.25	2.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608.3	0.75	2.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608.3	0.35	2.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608.3	0.3	2.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608.3	0.2	2.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	2,4,5-T	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	2,4,5-TP	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	2,4-D	n/a	DNQ	0.36	µg/L	EPA 515.4	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	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	2,4-DB	n/a	<	0.19	µg/L	EPA 515.4	0.19	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.12	µg/L	EPA 515.4	0.12	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.25	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.25	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	Acifluorfen	n/a	DNQ	0.075	µg/L	EPA 515.4	0.072	0.4	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Alachlor	n/a	<	0.3	µg/L	EPA 525.2	0.3	0.3	WKL	DF
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608.3	0.0075	0.025	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608.3	0.009	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608.3	0.02	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Azinphos methyl	n/a	<	0.055	µg/L	EPA 525.2m	0.055	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	Bentazon	n/a	<	0.23	µg/L	EPA 515.4	0.23	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 5:13:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608.3	0.016	0.025	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Bolstar	n/a	<	0.046	µg/L	EPA 525.2m	0.046	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608.3	0.4	0.5	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Chlorpyrifos	n/a	<	0.069	µg/L	EPA 525.2m	0.069	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Coumaphos	n/a	<	0.051	µg/L	EPA 525.2m	0.051	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	Dalapon	n/a	=	0.62	µg/L	EPA 515.4	0.11	0.4	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	DCPA (Daacthal)	n/a	=	0.36	µg/L	EPA 515.4	0.053	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608.3	0.012	0.025	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Demeton-O	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Demeton-S	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Diazinon	n/a	<	0.052	µg/L	EPA 525.2m	0.052	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	Dicamba	n/a	DNQ	0.17	µg/L	EPA 515.4	0.075	0.6	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	Dichlorprop	n/a	<	0.12	µg/L	EPA 515.4	0.12	0.3	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Dichlorvos	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Dimethoate	n/a	<	0.062	µg/L	EPA 525.2m	0.062	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	Dinoseb	n/a	<	0.055	µg/L	EPA 515.4	0.055	0.4	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Disulfoton	n/a	<	0.1	µg/L	EPA 525.2m	0.1	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608.3	0.04	0.25	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608.3	0.014	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608.3	0.015	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Ethoprop	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Ethyl parathion	n/a	<	0.054	µg/L	EPA 525.2m	0.054	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	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Fensulfothion	n/a	<	0.029	µg/L	EPA 525.2m	0.029	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Fenthion	n/a	<	0.038	µg/L	EPA 525.2m	0.038	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608.3	0.01	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608.3	0.022	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/1/2020 5:19:00 PM	Glyphosate	n/a	<	9	µg/L	EPA 547	9	25	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608.3	0.0085	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608.3	0.0095	0.05	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Malathion	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Merphos	n/a	<	0.058	µg/L	EPA 525.2m	0.058	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608.3	0.027	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Methyl parathion	n/a	<	0.063	µg/L	EPA 525.2m	0.063	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Metolachlor	n/a	<	0.3	µg/L	EPA 525.2	0.3	0.3	WKL	DF
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Metribuzin	n/a	<	0.6	µg/L	EPA 525.2	0.6	0.6	WKL	DF
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Meviphos	n/a	<	0.042	µg/L	EPA 525.2m	0.042	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Naled	n/a	<	0.076	µg/L	EPA 525.2m	0.076	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/13/2020 8:46:00 PM	Pentachlorophenol	n/a	<	0.4	µg/L	EPA 625.1	0.4	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/8/2020 11:09:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270C	0.15	1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	Pentachlorophenol	n/a	<	0.046	µg/L	EPA 515.4	0.046	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Phorate	n/a	<	0.03	µg/L	EPA 525.2m	0.03	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/2/2020 5:13:00 AM	Picloram	n/a	<	0.038	µg/L	EPA 515.4	0.038	0.6	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Prometryn	n/a	DNQ	0.079	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Ronnel (Fenclorophos)	n/a	<	0.041	µg/L	EPA 525.2m	0.041	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Simazine	n/a	DNQ	0.059	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.031	µg/L	EPA 525.2m	0.031	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Tokuthion	n/a	<	0.078	µg/L	EPA 525.2m	0.078	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/12/2020 12:27:00 AM	Toxaphene	n/a	<	5	µg/L	EPA 608.3	5	5	WKL	DF
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	5/14/2020 2:53:00 PM	Trichloronate	n/a	<	0.067	µg/L	EPA 525.2m	0.067	0.1	WKL	
MO-VEN	2019/20-5	Dry	4/28/2020 11:25:00 AM	4/30/2020 11:13:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	