

Cuyahoga River River Mile 16.20					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 13:00	*CaCO3		221	mg/LCaCO3	EPA200.7
7/23/2019 9:47	*CaCO3		139	mg/LCaCO3	EPA200.8
7/30/2019 12:00	*CaCO3		193	mg/LCaCO3	EPA200.8
8/6/2019 11:30	*CaCO3		206	mg/LCaCO3	EPA200.8
8/20/2019 11:35	*CaCO3		165	mg/LCaCO3	EPA200.8
7/23/2019 9:47	Ag	<	0.059	ug/L	EPA200.8
7/30/2019 12:00	Ag	<	0.142	ug/L	EPA200.8
8/6/2019 11:30	Ag	<	0.142	ug/L	EPA200.8
8/13/2019 13:00	Ag	<	0.142	ug/L	EPA200.8
8/20/2019 11:35	Ag	<	0.142	ug/L	EPA200.8
7/23/2019 9:47	Al		1287.5	ug/L	EPA200.7
7/30/2019 12:00	Al		175.3	ug/L	EPA200.8
8/6/2019 11:30	Al		93.82	ug/L	EPA200.8
8/13/2019 13:00	Al		241.2	ug/L	EPA200.8
8/20/2019 11:35	Al		265.1	ug/L	EPA200.8
7/23/2019 9:47	Alkalinity		118.6	mg/LCaCO3	EPA310.2
7/30/2019 12:00	Alkalinity		145.9	mg/LCaCO3	EPA310.2
8/6/2019 11:30	Alkalinity		145.3	mg/LCaCO3	EPA310.2
8/13/2019 13:00	Alkalinity		142.9	mg/LCaCO3	EPA310.2
8/20/2019 11:35	Alkalinity		131.5	mg/LCaCO3	EPA310.2
7/23/2019 9:47	As		4.0315	ug/L	EPA200.8
7/30/2019 12:00	As	j	1.975	ug/L	EPA200.8
8/6/2019 11:30	As	j	1.881	ug/L	EPA200.8
8/13/2019 13:00	As	j	2.345	ug/L	EPA200.8
7/23/2019 9:47	Ba		41.27	ug/L	EPA200.8
7/30/2019 12:00	Ba		44.52	ug/L	EPA200.8
8/6/2019 11:30	Ba		45.66	ug/L	EPA200.8
8/13/2019 13:00	Ba		46.89	ug/L	EPA200.8
8/20/2019 11:35	Ba		40.21	ug/L	EPA200.8
7/23/2019 9:47	Be	<	0.071	ug/L	EPA200.8
7/30/2019 12:00	Be	<	0.094	ug/L	EPA200.8
8/6/2019 11:30	Be	<	0.094	ug/L	EPA200.8
8/13/2019 13:00	Be	<	0.094	ug/L	EPA200.8
8/20/2019 11:35	Be	<	0.094	ug/L	EPA200.8
7/23/2019 9:47	BOD	<	2	mg/L	SM5210 B
7/30/2019 12:00	BOD	<	2	mg/L	SM5210 B
8/13/2019 13:00	BOD	<	2	mg/L	SM5210 B

Cuyahoga River River Mile 16.20					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 11:35	BOD		2.5	mg/L	SM5210 B
8/13/2019 13:00	Ca		64100	ug/L	EPA200.7
7/23/2019 9:47	Ca		41230	ug/L	EPA200.8
7/30/2019 12:00	Ca		56480	ug/L	EPA200.8
8/6/2019 11:30	Ca		60250	ug/L	EPA200.8
8/13/2019 13:00	Ca		59090	ug/L	EPA200.8
8/20/2019 11:35	Ca		47440	ug/L	EPA200.8
7/23/2019 9:47	Cd	j	0.0855	ug/L	EPA200.8
7/30/2019 12:00	Cd	<	0.086	ug/L	EPA200.8
8/6/2019 11:30	Cd	<	0.086	ug/L	EPA200.8
8/13/2019 13:00	Cd	<	0.086	ug/L	EPA200.8
8/20/2019 11:35	Cd	<	0.086	ug/L	EPA200.8
7/23/2019 9:47	Co		1.326	ug/L	EPA200.8
7/30/2019 12:00	Co	j	0.489	ug/L	EPA200.8
8/6/2019 11:30	Co	j	0.407	ug/L	EPA200.8
8/13/2019 13:00	Co	j	0.564	ug/L	EPA200.8
8/20/2019 11:35	Co	j	0.5	ug/L	EPA200.8
7/23/2019 9:47	COD		36.85	mg/L	EPA410.4
7/30/2019 12:00	COD	j	16.7	mg/L	EPA410.4
8/6/2019 11:30	COD		23.4	mg/L	EPA410.4
8/13/2019 13:00	COD		24.2	mg/L	EPA410.4
8/20/2019 11:35	COD	j	20.8	mg/L	EPA410.4
7/23/2019 9:47	Cr	j	2.1025	ug/L	EPA200.8
7/30/2019 12:00	Cr	<	0.616	ug/L	EPA200.8
8/6/2019 11:30	Cr	<	0.616	ug/L	EPA200.8
8/13/2019 13:00	Cr	j	0.687	ug/L	EPA200.8
8/20/2019 11:35	Cr	j	0.674	ug/L	EPA200.8
7/23/2019 9:47	Cu		5.839	ug/L	EPA200.8
7/30/2019 12:00	Cu		3.009	ug/L	EPA200.8
8/6/2019 11:30	Cu		2.8	ug/L	EPA200.8
8/13/2019 13:00	Cu		3.003	ug/L	EPA200.8
8/20/2019 11:35	Cu		3.104	ug/L	EPA200.8
7/23/2019 9:47	DRPhos		0.041	mg/L	EPA365.1
7/30/2019 12:00	DRPhos		0.03	mg/L	EPA365.1
8/6/2019 11:30	DRPhos		0.032	mg/L	EPA365.1
8/13/2019 13:00	DRPhos		0.038	mg/L	EPA365.1
8/20/2019 11:35	DRPhos		0.039	mg/L	EPA365.1

Cuyahoga River River Mile 16.20					
Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 9:47	E. coli		2095	MPN/100 mL	SM9223 Colilert
7/30/2019 12:00	E. coli		254	MPN/100 mL	SM9223 Colilert
8/6/2019 11:30	E. coli		132	MPN/100 mL	SM9223 Colilert
8/13/2019 13:00	E. coli		422	MPN/100 mL	SM9223 Colilert
8/20/2019 11:35	E. coli		368	MPN/100 mL	SM9223 Colilert
7/23/2019 9:47	Fe		2945.5	ug/L	EPA200.8
7/30/2019 12:00	Fe		763.2	ug/L	EPA200.8
8/6/2019 11:30	Fe		594.7	ug/L	EPA200.8
8/13/2019 13:00	Fe		971.8	ug/L	EPA200.8
8/20/2019 11:35	Fe		982.7	ug/L	EPA200.8
7/23/2019 9:47	Field Cond		540	umhos/cm	SM 2510A
7/30/2019 12:00	Field Cond		823	umhos/cm	SM 2510A
8/6/2019 11:30	Field Cond		792	umhos/cm	SM 2510A
8/13/2019 13:00	Field Cond		801	umhos/cm	SM 2510A
8/20/2019 11:35	Field Cond		729	umhos/cm	SM 2510A
7/23/2019 9:47	Field Spec Cond		565	umhos/cm	SM 2510B
7/30/2019 12:00	Field Spec Cond		829	umhos/cm	SM 2510B
8/6/2019 11:30	Field Spec Cond		805	umhos/cm	SM 2510B
8/13/2019 13:00	Field Spec Cond		841	umhos/cm	SM 2510B
8/20/2019 11:35	Field Spec Cond		743.1	umhos/cm	SM 2510B
7/23/2019 9:47	Field DO		7.7	mg/L	SM 4500-0 G
7/30/2019 12:00	Field DO		7.9	mg/L	SM 4500-0 G
8/6/2019 11:30	Field DO		10.1	mg/L	SM 4500-0 G
8/13/2019 13:00	Field DO		8.3	mg/L	SM 4500-0 G
8/20/2019 11:35	Field DO		7.7	mg/L	SM 4500-0 G
7/23/2019 9:47	Field DO		90	%	
7/30/2019 12:00	Field DO		95	%	
8/6/2019 11:30	Field DO		120	%	
8/13/2019 13:00	Field DO		96	%	
8/20/2019 11:35	Field DO		92	%	
7/23/2019 9:47	Field Temp		22.6	C	EPA 170.1
7/30/2019 12:00	Field Temp		24.6	C	EPA 170.1
8/6/2019 11:30	Field Temp		24.2	C	EPA 170.1
8/13/2019 13:00	Field Temp		22.5	C	EPA 170.1
8/20/2019 11:35	Field Temp		24.2	C	EPA 170.1
7/23/2019 9:47	Hg	<	0.022	ug/L	EPA245.1
7/30/2019 12:00	Hg	<	0.022	ug/L	EPA245.1
8/6/2019 11:30	Hg	<	0.022	ug/L	EPA245.1
8/13/2019 13:00	Hg	<	0.022	ug/L	EPA245.1

Cuyahoga River River Mile 16.20					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 11:35	Hg	<	0.022	ug/L	EPA245.1
7/23/2019 9:47	K		3183	ug/L	EPA200.8
7/30/2019 12:00	K		4077	ug/L	EPA200.8
8/6/2019 11:30	K		4537	ug/L	EPA200.8
8/13/2019 13:00	K		4162	ug/L	EPA200.8
8/20/2019 11:35	K		3367	ug/L	EPA200.8
8/13/2019 13:00	Mg		14710	ug/L	EPA200.7
7/23/2019 9:47	Mg		8700	ug/L	EPA200.8
7/30/2019 12:00	Mg		12730	ug/L	EPA200.8
8/6/2019 11:30	Mg		13440	ug/L	EPA200.8
8/20/2019 11:35	Mg		11310	ug/L	EPA200.8
7/23/2019 9:47	Mn		166.05	ug/L	EPA200.8
7/30/2019 12:00	Mn		68.02	ug/L	EPA200.8
8/6/2019 11:30	Mn		50.4	ug/L	EPA200.8
8/13/2019 13:00	Mn		81.18	ug/L	EPA200.8
8/20/2019 11:35	Mn		67.42	ug/L	EPA200.8
7/23/2019 9:47	Mo		2.0305	ug/L	EPA200.8
7/30/2019 12:00	Mo		1.669	ug/L	EPA200.8
8/6/2019 11:30	Mo		2.329	ug/L	EPA200.8
8/13/2019 13:00	Mo		5.534	ug/L	EPA200.8
8/20/2019 11:35	Mo		2.128	ug/L	EPA200.8
7/23/2019 9:47	Na		46070	ug/L	EPA200.8
7/30/2019 12:00	Na		65700	ug/L	EPA200.8
8/6/2019 11:30	Na		68780	ug/L	EPA200.8
8/13/2019 13:00	Na		66290	ug/L	EPA200.8
8/20/2019 11:35	Na		55420	ug/L	EPA200.8
7/23/2019 9:47	NH3	<	0.02	mg/L	EPA350.1
7/30/2019 12:00	NH3	<	0.02	mg/L	EPA350.1
8/6/2019 11:30	NH3	<	0.02	mg/L	EPA350.1
8/13/2019 13:00	NH3	<	0.02	mg/L	EPA350.1
8/20/2019 11:35	NH3	<	0.02	mg/L	EPA350.1
7/23/2019 9:47	Ni		4.5425	ug/L	EPA200.8
7/30/2019 12:00	Ni	j	2.906	ug/L	EPA200.8
8/6/2019 11:30	Ni	j	2.899	ug/L	EPA200.8
8/13/2019 13:00	Ni	j	2.952	ug/L	EPA200.8
8/20/2019 11:35	Ni	j	2.733	ug/L	EPA200.8
7/23/2019 9:47	NO3-NO2		1.105	mg/L	EPA353.2

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Sample Date	Parameter	Code	Result	Units	Method
7/30/2019 12:00	NO3-NO2		2.866	mg/L	EPA353.2
8/6/2019 11:30	NO3-NO2		4.475	mg/L	EPA353.2
8/13/2019 13:00	NO3-NO2		3.376	mg/L	EPA353.2
8/20/2019 11:35	NO3-NO2		2.126	mg/L	EPA353.2
7/23/2019 9:47	Pb		4.281	ug/L	EPA200.8
7/30/2019 12:00	Pb	j	0.945	ug/L	EPA200.8
8/6/2019 11:30	Pb	j	0.493	ug/L	EPA200.8
8/13/2019 13:00	Pb		1.117	ug/L	EPA200.8
8/20/2019 11:35	Pb		1.174	ug/L	EPA200.8
7/23/2019 9:47	pH		7.6	S.U.	
7/30/2019 12:00	pH		7.8	S.U.	
8/6/2019 11:30	pH		8	S.U.	
8/13/2019 13:00	pH		7.8	S.U.	
8/20/2019 11:35	pH		7.8	S.U.	
7/23/2019 9:47	Sb	<	0.377	ug/L	EPA200.8
7/30/2019 12:00	Sb	<	0.944	ug/L	EPA200.8
8/6/2019 11:30	Sb	<	0.944	ug/L	EPA200.8
8/13/2019 13:00	Sb	<	0.944	ug/L	EPA200.8
8/20/2019 11:35	Sb	<	0.944	ug/L	EPA200.8
7/23/2019 9:47	Se	<	0.571	ug/L	EPA200.8
7/30/2019 12:00	Se	<	0.808	ug/L	EPA200.8
8/6/2019 11:30	Se	<	0.808	ug/L	EPA200.8
8/13/2019 13:00	Se	j	0.867	ug/L	EPA200.8
8/20/2019 11:35	Se	<	0.808	ug/L	EPA200.8
7/23/2019 9:47	Sn	<	2.444	ug/L	EPA200.8
7/30/2019 12:00	Sn	<	11.92	ug/L	EPA200.8
8/6/2019 11:30	Sn	<	11.92	ug/L	EPA200.8
8/13/2019 13:00	Sn	<	11.92	ug/L	EPA200.8
8/20/2019 11:35	Sn	<	11.92	ug/L	EPA200.8
7/23/2019 9:47	Sr		174.3375	ug/L	EPA200.8
7/30/2019 12:00	Sr		199.142	ug/L	EPA200.8
8/6/2019 11:30	Sr		214.348	ug/L	EPA200.8
8/13/2019 13:00	Sr		203.726	ug/L	EPA200.8
8/20/2019 11:35	Sr		183.162	ug/L	EPA200.8
7/23/2019 9:47	TDS		321	mg/L	SM2540 C
7/30/2019 12:00	TDS		480	mg/L	SM2540 C
8/6/2019 11:30	TDS		540	mg/L	SM2540 C
8/13/2019 13:00	TDS		494	mg/L	SM2540 C
8/20/2019 11:35	TDS		428	mg/L	SM2540 C

Cuyahoga River  
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Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 9:47	Ti		15.02	ug/L	EPA200.8
7/30/2019 12:00	Ti		3.115	ug/L	EPA200.8
8/6/2019 11:30	Ti		2.489	ug/L	EPA200.8
8/13/2019 13:00	Ti		3.732	ug/L	EPA200.8
8/20/2019 11:35	Ti		4.952	ug/L	EPA200.8
7/23/2019 9:47	TKN		0.7975	mg/L	EPA351.2
7/30/2019 12:00	TKN		0.601	mg/L	EPA351.2
8/6/2019 11:30	TKN		0.736	mg/L	EPA351.2
8/13/2019 13:00	TKN		0.836	mg/L	EPA351.2
8/20/2019 11:35	TKN		0.83	mg/L	EPA351.2
7/30/2019 12:00	TI	<	0.18	ug/L	EPA200.8
8/6/2019 11:30	TI	<	0.18	ug/L	EPA200.8
8/13/2019 13:00	TI	<	0.18	ug/L	EPA200.8
8/20/2019 11:35	TI	<	0.18	ug/L	EPA200.8
7/23/2019 9:47	TMET		31.15	ug/L	EPA200.8
7/30/2019 12:00	TMET		14.3	ug/L	EPA200.8
8/6/2019 11:30	TMET		13.2	ug/L	EPA200.8
8/13/2019 13:00	TMET		16	ug/L	EPA200.8
8/20/2019 11:35	TMET		14.8	ug/L	EPA200.8
7/23/2019 9:47	Total-P		0.142	mg/L	EPA365.1
7/30/2019 12:00	Total-P		0.076	mg/L	EPA365.1
8/6/2019 11:30	Total-P		0.067	mg/L	EPA365.1
8/13/2019 13:00	Total-P		0.088	mg/L	EPA365.1
8/20/2019 11:35	Total-P		0.08	mg/L	EPA365.1
7/23/2019 9:47	TS		482.5	mg/L	SM2540 B
7/30/2019 12:00	TS		542	mg/L	SM2540 B
8/6/2019 11:30	TS		620	mg/L	SM2540 B
8/13/2019 13:00	TS		548	mg/L	SM2540 B
8/20/2019 11:35	TS		458	mg/L	SM2540 B
7/23/2019 9:47	TSS		112.2	mg/L	SM2540 D
7/30/2019 12:00	TSS		19.6	mg/L	SM2540 D
8/6/2019 11:30	TSS		8.8	mg/L	SM2540 D
8/13/2019 13:00	TSS		23.7	mg/L	SM2540 D
8/20/2019 11:35	TSS		22.9	mg/L	SM2540 D
7/23/2019 9:47	Turbidity		55.3	NTU	EPA180.1
7/30/2019 12:00	Turbidity		8.08	NTU	EPA180.1
8/6/2019 11:30	Turbidity		5.3	NTU	EPA180.1
8/13/2019 13:00	Turbidity		23	NTU	EPA180.1

Cuyahoga River River Mile 16.20					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 11:35	Turbidity		15.7	NTU	EPA180.1
7/23/2019 9:47	V	j	1.9515	ug/L	EPA200.8
7/30/2019 12:00	V	<	0.47	ug/L	EPA200.8
8/6/2019 11:30	V	<	0.47	ug/L	EPA200.8
8/13/2019 13:00	V	j	0.506	ug/L	EPA200.8
8/20/2019 11:35	V	<	0.47	ug/L	EPA200.8
7/23/2019 9:47	Zn		18.695	ug/L	EPA200.8
7/30/2019 12:00	Zn	j	8.344	ug/L	EPA200.8
8/6/2019 11:30	Zn	j	7.456	ug/L	EPA200.8
8/13/2019 13:00	Zn	j	9.371	ug/L	EPA200.8
8/20/2019 11:35	Zn	j	8.34	ug/L	EPA200.8

Cuyahoga River River Mile 11.95					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 11:55	*CaCO3		220	mg/LCaCO3	EPA200.7
7/23/2019 9:12	*CaCO3		131	mg/LCaCO3	EPA200.8
7/30/2019 11:00	*CaCO3		198	mg/LCaCO3	EPA200.8
8/6/2019 11:00	*CaCO3		213	mg/LCaCO3	EPA200.8
8/20/2019 11:06	*CaCO3		167	mg/LCaCO3	EPA200.8
7/23/2019 9:12	Ag	<	0.059	ug/L	EPA200.8
7/30/2019 11:00	Ag	<	0.142	ug/L	EPA200.8
8/6/2019 11:00	Ag	<	0.142	ug/L	EPA200.8
8/13/2019 11:55	Ag	<	0.142	ug/L	EPA200.8
8/20/2019 11:06	Ag	<	0.142	ug/L	EPA200.8
7/23/2019 9:12	Al		1556	ug/L	EPA200.7
7/30/2019 11:00	Al		346.35	ug/L	EPA200.8
8/6/2019 11:00	Al		103.5	ug/L	EPA200.8
8/13/2019 11:55	Al		387	ug/L	EPA200.8
8/20/2019 11:06	Al		322.4	ug/L	EPA200.8
7/23/2019 9:12	Alkalinity		112.3	mg/LCaCO3	EPA310.2
7/30/2019 11:00	Alkalinity		146.4	mg/LCaCO3	EPA310.2
8/6/2019 11:00	Alkalinity		145	mg/LCaCO3	EPA310.2
8/13/2019 11:55	Alkalinity		142.6	mg/LCaCO3	EPA310.2
8/20/2019 11:06	Alkalinity		129	mg/LCaCO3	EPA310.2
7/23/2019 9:12	As		4.117	ug/L	EPA200.8
7/30/2019 11:00	As	j	2.1565	ug/L	EPA200.8
8/6/2019 11:00	As	j	1.937	ug/L	EPA200.8
8/13/2019 11:55	As	j	2.972	ug/L	EPA200.8
7/23/2019 9:12	Ba		40.42	ug/L	EPA200.8
7/30/2019 11:00	Ba		44.25	ug/L	EPA200.8
8/6/2019 11:00	Ba		44.61	ug/L	EPA200.8
8/13/2019 11:55	Ba		46.37	ug/L	EPA200.8
8/20/2019 11:06	Ba		40.02	ug/L	EPA200.8
7/23/2019 9:12	Be	<	0.071	ug/L	EPA200.8
7/30/2019 11:00	Be	<	0.094	ug/L	EPA200.8
8/6/2019 11:00	Be	<	0.094	ug/L	EPA200.8
8/13/2019 11:55	Be	<	0.094	ug/L	EPA200.8
8/20/2019 11:06	Be	<	0.094	ug/L	EPA200.8
7/23/2019 9:12	BOD	<	2	mg/L	SM5210 B
7/30/2019 11:00	BOD	<	2	mg/L	SM5210 B
8/13/2019 11:55	BOD	<	2	mg/L	SM5210 B



Cuyahoga River River Mile 11.95					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 11:06	BOD		2.6	mg/L	SM5210 B
8/13/2019 11:55	Ca		64040	ug/L	EPA200.7
7/23/2019 9:12	Ca		39190	ug/L	EPA200.8
7/30/2019 11:00	Ca		57975	ug/L	EPA200.8
8/6/2019 11:00	Ca		62450	ug/L	EPA200.8
8/13/2019 11:55	Ca		57720	ug/L	EPA200.8
8/20/2019 11:06	Ca		48420	ug/L	EPA200.8
7/23/2019 9:12	Cd	j	0.097	ug/L	EPA200.8
7/30/2019 11:00	Cd	<	0.086	ug/L	EPA200.8
8/6/2019 11:00	Cd	<	0.086	ug/L	EPA200.8
8/13/2019 11:55	Cd	<	0.086	ug/L	EPA200.8
8/20/2019 11:06	Cd	<	0.086	ug/L	EPA200.8
7/23/2019 9:12	Chloride		78.03	mg/L	EPA300.0
7/30/2019 11:00	Chloride	~	127.75	mg/L	EPA300.0
8/6/2019 11:00	Chloride		129.4	mg/L	EPA300.0
8/13/2019 11:55	Chloride		121.8	mg/L	EPA300.0
8/20/2019 11:06	Chloride		105.8	mg/L	EPA300.0
7/23/2019 9:12	Co		1.524	ug/L	EPA200.8
7/30/2019 11:00	Co	j	0.731	ug/L	EPA200.8
8/6/2019 11:00	Co	j	0.423	ug/L	EPA200.8
8/13/2019 11:55	Co	j	0.712	ug/L	EPA200.8
8/20/2019 11:06	Co	j	0.584	ug/L	EPA200.8
7/23/2019 9:12	COD		38.6	mg/L	EPA410.4
7/30/2019 11:00	COD	j	19	mg/L	EPA410.4
8/6/2019 11:00	COD		22.4	mg/L	EPA410.4
8/13/2019 11:55	COD		23.6	mg/L	EPA410.4
8/20/2019 11:06	COD		24.2	mg/L	EPA410.4
7/23/2019 9:12	Conduct	HT	563.7	uS/cm	SM2510 B
7/30/2019 11:00	Conduct		835.65	uS/cm	SM2510 B
8/6/2019 11:00	Conduct		865.3	uS/cm	SM2510 B
8/13/2019 11:55	Conduct		812.7	uS/cm	SM2510 B
8/20/2019 11:06	Conduct		717	uS/cm	SM2510 B
7/23/2019 9:12	Cr	j	2.412	ug/L	EPA200.8
7/30/2019 11:00	Cr	j	0.997	ug/L	EPA200.8
8/6/2019 11:00	Cr	<	0.616	ug/L	EPA200.8
8/13/2019 11:55	Cr	j	0.921	ug/L	EPA200.8
8/20/2019 11:06	Cr	j	0.796	ug/L	EPA200.8

Cuyahoga River River Mile 11.95					
Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 9:12	Cu		6.468	ug/L	EPA200.8
7/30/2019 11:00	Cu		4.241	ug/L	EPA200.8
8/6/2019 11:00	Cu		3.025	ug/L	EPA200.8
8/13/2019 11:55	Cu		3.585	ug/L	EPA200.8
8/20/2019 11:06	Cu		3.556	ug/L	EPA200.8
7/23/2019 9:12	DRPhos		0.039	mg/L	EPA365.1
7/30/2019 11:00	DRPhos		0.0275	mg/L	EPA365.1
8/6/2019 11:00	DRPhos		0.031	mg/L	EPA365.1
8/13/2019 11:55	DRPhos		0.033	mg/L	EPA365.1
8/20/2019 11:06	DRPhos		0.031	mg/L	EPA365.1
7/23/2019 9:12	E. coli		2303	MPN/100 mL	SM9223 Colilert
7/30/2019 11:00	E. coli		1190	MPN/100 mL	SM9223 Colilert
8/6/2019 11:00	E. coli		96	MPN/100 mL	SM9223 Colilert
8/13/2019 11:55	E. coli		490	MPN/100 mL	SM9223 Colilert
8/20/2019 11:06	E. coli		432	MPN/100 mL	SM9223 Colilert
7/23/2019 9:12	Fe		3282	ug/L	EPA200.8
7/30/2019 11:00	Fe		1183	ug/L	EPA200.8
8/6/2019 11:00	Fe		596.7	ug/L	EPA200.8
8/13/2019 11:55	Fe		1335	ug/L	EPA200.8
8/20/2019 11:06	Fe		1112	ug/L	EPA200.8
7/23/2019 9:12	Field Cond		553	umhos/cm	SM 2510A
7/30/2019 11:00	Field Cond		861	umhos/cm	SM 2510A
8/6/2019 11:00	Field Cond		811	umhos/cm	SM 2510A
8/13/2019 11:55	Field Cond		811	umhos/cm	SM 2510A
8/20/2019 11:06	Field Cond		743	umhos/cm	SM 2510A
7/23/2019 9:12	Field Spec Cond		580	umhos/cm	SM 2510B
7/30/2019 11:00	Field Spec Cond		870	umhos/cm	SM 2510B
8/6/2019 11:00	Field Spec Cond		851	umhos/cm	SM 2510B
8/13/2019 11:55	Field Spec Cond		851	umhos/cm	SM 2510B
8/20/2019 11:06	Field Spec Cond		762	umhos/cm	SM 2510B
7/23/2019 9:12	Field DO		89	mg/L	SM 4500-0 G
7/30/2019 11:00	Field DO		7.5	mg/L	SM 4500-0 G
8/6/2019 11:00	Field DO		8	mg/L	SM 4500-0 G
8/13/2019 11:55	Field DO		8	mg/L	SM 4500-0 G
8/20/2019 11:06	Field DO		7.6	mg/L	SM 4500-0 G
7/23/2019 9:12	Field DO		89	%	
7/30/2019 11:00	Field DO		90	%	
8/6/2019 11:00	Field DO		93	%	
8/13/2019 11:55	Field DO		93	%	

Cuyahoga River River Mile 11.95					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 11:06	Field DO		90	%	
7/23/2019 9:12	Field Temp		22.6	C	EPA 170.1
7/30/2019 11:00	Field Temp		24.5	C	EPA 170.1
8/6/2019 11:00	Field Temp		22.6	C	EPA 170.1
8/13/2019 11:55	Field Temp		22.6	C	EPA 170.1
8/20/2019 11:06	Field Temp		23.8	C	EPA 170.1
7/23/2019 9:12	Hg	<	0.022	ug/L	EPA245.1
7/30/2019 11:00	Hg	<	0.022	ug/L	EPA245.1
8/6/2019 11:00	Hg	<	0.022	ug/L	EPA245.1
8/13/2019 11:55	Hg	<	0.022	ug/L	EPA245.1
8/20/2019 11:06	Hg	<	0.022	ug/L	EPA245.1
7/23/2019 9:12	K		3234	ug/L	EPA200.8
7/30/2019 11:00	K		4376	ug/L	EPA200.8
8/6/2019 11:00	K		4703	ug/L	EPA200.8
8/13/2019 11:55	K		4170	ug/L	EPA200.8
8/20/2019 11:06	K		3606	ug/L	EPA200.8
8/13/2019 11:55	Mg		14680	ug/L	EPA200.7
7/23/2019 9:12	Mg		8126	ug/L	EPA200.8
7/30/2019 11:00	Mg		12920	ug/L	EPA200.8
8/6/2019 11:00	Mg		13980	ug/L	EPA200.8
8/20/2019 11:06	Mg		11160	ug/L	EPA200.8
7/23/2019 9:12	Mn		171.7	ug/L	EPA200.8
7/30/2019 11:00	Mn		73.54	ug/L	EPA200.8
8/6/2019 11:00	Mn		46.84	ug/L	EPA200.8
8/13/2019 11:55	Mn		79.9	ug/L	EPA200.8
8/20/2019 11:06	Mn		65.64	ug/L	EPA200.8
7/23/2019 9:12	Mo		2.321	ug/L	EPA200.8
7/30/2019 11:00	Mo		3.0035	ug/L	EPA200.8
8/6/2019 11:00	Mo		2.766	ug/L	EPA200.8
8/13/2019 11:55	Mo		8.031	ug/L	EPA200.8
8/20/2019 11:06	Mo		2.326	ug/L	EPA200.8
7/23/2019 9:12	Na		49400	ug/L	EPA200.8
7/30/2019 11:00	Na		74760	ug/L	EPA200.8
8/6/2019 11:00	Na		73120	ug/L	EPA200.8
8/13/2019 11:55	Na		65810	ug/L	EPA200.8
8/20/2019 11:06	Na		59640	ug/L	EPA200.8
7/23/2019 9:12	NH3	j	0.026	mg/L	EPA350.1

Cuyahoga River River Mile 11.95					
Sample Date	Parameter	Code	Result	Units	Method
7/30/2019 11:00	NH3	<	0.02	mg/L	EPA350.1
8/6/2019 11:00	NH3	<	0.02	mg/L	EPA350.1
8/13/2019 11:55	NH3	<	0.02	mg/L	EPA350.1
8/20/2019 11:06	NH3	<	0.02	mg/L	EPA350.1
7/23/2019 9:12	Ni		4.991	ug/L	EPA200.8
7/30/2019 11:00	Ni	j	3.7285	ug/L	EPA200.8
8/6/2019 11:00	Ni	j	2.985	ug/L	EPA200.8
8/13/2019 11:55	Ni	j	3.485	ug/L	EPA200.8
8/20/2019 11:06	Ni	j	3.147	ug/L	EPA200.8
7/23/2019 9:12	NO2	j	0.015	mg/L	1500-NO2 B/EPA 353.2
7/30/2019 11:00	NO2	j	0.008	mg/L	1500-NO2 B/EPA 353.2
8/6/2019 11:00	NO2	j	0.012	mg/L	1500-NO2 B/EPA 353.2
8/13/2019 11:55	NO2	j	0.008	mg/L	1500-NO2 B/EPA 353.2
8/20/2019 11:06	NO2	<	0.008	mg/L	1500-NO2 B/EPA 353.2
7/23/2019 9:12	NO3		1.204	mg/L	EPA353.2
7/30/2019 11:00	NO3		3.373	mg/L	EPA353.2
8/6/2019 11:00	NO3		4.338	mg/L	EPA353.2
8/13/2019 11:55	NO3		2.955	mg/L	EPA353.2
8/20/2019 11:06	NO3		2.068	mg/L	EPA353.2
7/23/2019 9:12	NO3+NO2		1.219	mg/L	EPA353.2
7/30/2019 11:00	NO3+NO2		3.381	mg/L	EPA353.2
8/6/2019 11:00	NO3+NO2		4.351	mg/L	EPA353.2
8/13/2019 11:55	NO3+NO2		2.97	mg/L	EPA353.2
8/20/2019 11:06	NO3+NO2		2.071	mg/L	EPA353.2
7/23/2019 9:12	Pb		5.444	ug/L	EPA200.8
7/30/2019 11:00	Pb		1.562	ug/L	EPA200.8
8/6/2019 11:00	Pb	j	0.485	ug/L	EPA200.8
8/13/2019 11:55	Pb		1.432	ug/L	EPA200.8
8/20/2019 11:06	Pb		1.386	ug/L	EPA200.8
7/23/2019 9:12	pH		7.6	S.U.	
7/30/2019 11:00	pH		7.9	S.U.	
8/6/2019 11:00	pH		7.8	S.U.	
8/13/2019 11:55	pH		7.8	S.U.	
8/20/2019 11:06	pH		7.6	S.U.	
7/23/2019 9:12	Sb	<	0.377	ug/L	EPA200.8
7/30/2019 11:00	Sb	<	0.944	ug/L	EPA200.8
8/6/2019 11:00	Sb	<	0.944	ug/L	EPA200.8
8/13/2019 11:55	Sb	<	0.944	ug/L	EPA200.8
8/20/2019 11:06	Sb	<	0.944	ug/L	EPA200.8

Cuyahoga River  
River Mile 11.95

Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 9:12	Se	<	0.571	ug/L	EPA200.8
7/30/2019 11:00	Se	<	0.808	ug/L	EPA200.8
8/6/2019 11:00	Se	<	0.808	ug/L	EPA200.8
8/13/2019 11:55	Se	j	1.154	ug/L	EPA200.8
8/20/2019 11:06	Se	<	0.808	ug/L	EPA200.8
7/23/2019 9:12	Sn	<	2.444	ug/L	EPA200.8
7/30/2019 11:00	Sn	<	11.92	ug/L	EPA200.8
8/6/2019 11:00	Sn	<	11.92	ug/L	EPA200.8
8/13/2019 11:55	Sn	<	11.92	ug/L	EPA200.8
8/20/2019 11:06	Sn	<	11.92	ug/L	EPA200.8
7/23/2019 9:12	SO4		30.57	mg/L	EPA300.0
7/30/2019 11:00	SO4	~	51.12	mg/L	EPA300.0
8/6/2019 11:00	SO4		54.55	mg/L	EPA300.0
8/13/2019 11:55	SO4		51.26	mg/L	EPA300.0
8/20/2019 11:06	SO4		43.79	mg/L	EPA300.0
7/23/2019 9:12	Sr		191.371	ug/L	EPA200.8
7/30/2019 11:00	Sr		240.122	ug/L	EPA200.8
8/6/2019 11:00	Sr		225.211	ug/L	EPA200.8
8/13/2019 11:55	Sr		216.766	ug/L	EPA200.8
8/20/2019 11:06	Sr		215.753	ug/L	EPA200.8
7/23/2019 9:12	TDS		322	mg/L	SM2540 C
7/30/2019 11:00	TDS		487	mg/L	SM2540 C
8/6/2019 11:00	TDS		560	mg/L	SM2540 C
8/13/2019 11:55	TDS		508	mg/L	SM2540 C
8/20/2019 11:06	TDS		428	mg/L	SM2540 C
7/23/2019 9:12	Ti		17.59	ug/L	EPA200.8
7/30/2019 11:00	Ti		5.94	ug/L	EPA200.8
8/6/2019 11:00	Ti		2.563	ug/L	EPA200.8
8/13/2019 11:55	Ti		7.188	ug/L	EPA200.8
8/20/2019 11:06	Ti		5.348	ug/L	EPA200.8
7/23/2019 9:12	TKN		0.877	mg/L	EPA351.2
8/6/2019 11:00	TKN		0.734	mg/L	EPA351.2
8/13/2019 11:55	TKN		0.697	mg/L	EPA351.2
8/20/2019 11:06	TKN		0.782	mg/L	EPA351.2
7/23/2019 9:12	TI	<	0.1	ug/L	EPA200.8
7/30/2019 11:00	TI	<	0.18	ug/L	EPA200.8
8/6/2019 11:00	TI	<	0.18	ug/L	EPA200.8
8/13/2019 11:55	TI	<	0.18	ug/L	EPA200.8

Cuyahoga River River Mile 11.95					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 11:06	TI	<	0.18	ug/L	EPA200.8
7/23/2019 9:12	TMET		35.3	ug/L	EPA200.8
7/30/2019 11:00	TMET		20.55	ug/L	EPA200.8
8/6/2019 11:00	TMET		12.8	ug/L	EPA200.8
8/13/2019 11:55	TMET		17.9	ug/L	EPA200.8
8/20/2019 11:06	TMET		16.3	ug/L	EPA200.8
7/23/2019 9:12	Total-P		0.16	mg/L	EPA365.1
7/30/2019 11:00	Total-P		0.0805	mg/L	EPA365.1
8/6/2019 11:00	Total-P		0.066	mg/L	EPA365.1
8/13/2019 11:55	Total-P		0.083	mg/L	EPA365.1
8/20/2019 11:06	Total-P		0.08	mg/L	EPA365.1
7/23/2019 9:12	TS		522	mg/L	SM2540 B
7/30/2019 11:00	TS		575	mg/L	SM2540 B
8/6/2019 11:00	TS		606	mg/L	SM2540 B
8/13/2019 11:55	TS		570	mg/L	SM2540 B
8/20/2019 11:06	TS		474	mg/L	SM2540 B
7/23/2019 9:12	TSS		115.6	mg/L	SM2540 D
7/30/2019 11:00	TSS		30.65	mg/L	SM2540 D
8/6/2019 11:00	TSS		8.6	mg/L	SM2540 D
8/13/2019 11:55	TSS		30	mg/L	SM2540 D
8/20/2019 11:06	TSS		28.8	mg/L	SM2540 D
7/23/2019 9:12	Turbidity		64	NTU	EPA180.1
7/30/2019 11:00	Turbidity		12.1	NTU	EPA180.1
8/6/2019 11:00	Turbidity		28.2	NTU	EPA180.1
8/13/2019 11:55	Turbidity		28.2	NTU	EPA180.1
8/20/2019 11:06	Turbidity		20.4	NTU	EPA180.1
7/23/2019 9:12	V	j	2.424	ug/L	EPA200.8
7/30/2019 11:00	V	j	0.7595	ug/L	EPA200.8
8/6/2019 11:00	V	<	0.47	ug/L	EPA200.8
8/13/2019 11:55	V	j	0.765	ug/L	EPA200.8
8/20/2019 11:06	V	j	0.493	ug/L	EPA200.8
7/23/2019 9:12	Zn		21.42	ug/L	EPA200.8
7/30/2019 11:00	Zn		11.555	ug/L	EPA200.8
8/6/2019 11:00	Zn	j	6.806	ug/L	EPA200.8
8/13/2019 11:55	Zn	j	9.906	ug/L	EPA200.8
8/20/2019 11:06	Zn	j	8.818	ug/L	EPA200.8

Cuyahoga River River Mile 11.30					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 11:25	*CaCO3		220	mg/LCaCO3	EPA200.7
7/23/2019 8:40	*CaCO3		132	mg/LCaCO3	EPA200.8
7/30/2019 11:40	*CaCO3		197	mg/LCaCO3	EPA200.8
8/6/2019 10:37	*CaCO3		216	mg/LCaCO3	EPA200.8
8/20/2019 10:45	*CaCO3		164	mg/LCaCO3	EPA200.8
7/23/2019 8:40	Ag	<	0.059	ug/L	EPA200.8
7/30/2019 11:40	Ag	<	0.142	ug/L	EPA200.8
8/6/2019 10:37	Ag	<	0.142	ug/L	EPA200.8
8/13/2019 11:25	Ag	<	0.142	ug/L	EPA200.8
8/20/2019 10:45	Ag	<	0.142	ug/L	EPA200.8
7/23/2019 8:40	Al		1790	ug/L	EPA200.7
7/30/2019 11:40	Al		420.7	ug/L	EPA200.8
8/6/2019 10:37	Al		116.9	ug/L	EPA200.8
8/13/2019 11:25	Al		415.8	ug/L	EPA200.8
8/20/2019 10:45	Al		298.1	ug/L	EPA200.8
7/23/2019 8:40	Alkalinity		113.7	mg/LCaCO3	EPA310.2
7/30/2019 11:40	Alkalinity		139.4	mg/LCaCO3	EPA310.2
8/6/2019 10:37	Alkalinity		145	mg/LCaCO3	EPA310.2
8/13/2019 11:25	Alkalinity		143.2	mg/LCaCO3	EPA310.2
8/20/2019 10:45	Alkalinity		126.8	mg/LCaCO3	EPA310.2
7/23/2019 8:40	As		4.485	ug/L	EPA200.8
7/30/2019 11:40	As	j	2.432	ug/L	EPA200.8
8/6/2019 10:37	As	j	2.109	ug/L	EPA200.8
8/13/2019 11:25	As	j	2.493	ug/L	EPA200.8
7/23/2019 8:40	Ba		43.36	ug/L	EPA200.8
7/30/2019 11:40	Ba		44.48	ug/L	EPA200.8
8/6/2019 10:37	Ba		45.22	ug/L	EPA200.8
8/13/2019 11:25	Ba		46.79	ug/L	EPA200.8
8/20/2019 10:45	Ba		39.26	ug/L	EPA200.8
7/23/2019 8:40	Be	<	0.071	ug/L	EPA200.8
7/30/2019 11:40	Be	<	0.094	ug/L	EPA200.8
8/6/2019 10:37	Be	<	0.094	ug/L	EPA200.8
8/13/2019 11:25	Be	<	0.094	ug/L	EPA200.8
8/20/2019 10:45	Be	<	0.094	ug/L	EPA200.8
7/23/2019 8:40	BOD	<	2	mg/L	SM5210 B
7/30/2019 11:40	BOD	<	2	mg/L	SM5210 B
8/6/2019 10:37	BOD	<	2	mg/L	SM5210 B

Cuyahoga River River Mile 11.30					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 11:25	BOD		2.4	mg/L	SM5210 B
8/20/2019 10:45	BOD		2.7	mg/L	SM5210 B
8/13/2019 11:25	Ca		64050	ug/L	EPA200.7
7/23/2019 8:40	Ca		38950	ug/L	EPA200.8
7/30/2019 11:40	Ca		58260	ug/L	EPA200.8
8/6/2019 10:37	Ca		63080	ug/L	EPA200.8
8/13/2019 11:25	Ca		58680	ug/L	EPA200.8
8/20/2019 10:45	Ca		47920	ug/L	EPA200.8
7/23/2019 8:40	Cd	j	0.105	ug/L	EPA200.8
7/30/2019 11:40	Cd	<	0.086	ug/L	EPA200.8
8/6/2019 10:37	Cd	<	0.086	ug/L	EPA200.8
8/13/2019 11:25	Cd	<	0.086	ug/L	EPA200.8
8/20/2019 10:45	Cd	<	0.086	ug/L	EPA200.8
7/23/2019 8:40	Co		1.764	ug/L	EPA200.8
7/30/2019 11:40	Co	j	0.82	ug/L	EPA200.8
8/6/2019 10:37	Co	j	0.443	ug/L	EPA200.8
8/13/2019 11:25	Co	j	0.774	ug/L	EPA200.8
8/20/2019 10:45	Co	j	0.607	ug/L	EPA200.8
7/23/2019 8:40	COD		40.5	mg/L	EPA410.4
7/30/2019 11:40	COD		34.3	mg/L	EPA410.4
8/6/2019 10:37	COD	j	20.2	mg/L	EPA410.4
8/13/2019 11:25	COD	j	20	mg/L	EPA410.4
8/20/2019 10:45	COD		22.4	mg/L	EPA410.4
7/23/2019 8:40	Cr	j	2.697	ug/L	EPA200.8
7/30/2019 11:40	Cr	j	1.098	ug/L	EPA200.8
8/6/2019 10:37	Cr	<	0.616	ug/L	EPA200.8
8/13/2019 11:25	Cr	j	0.978	ug/L	EPA200.8
8/20/2019 10:45	Cr	j	0.753	ug/L	EPA200.8
7/23/2019 8:40	Cu		7.097	ug/L	EPA200.8
7/30/2019 11:40	Cu		4.339	ug/L	EPA200.8
8/6/2019 10:37	Cu		4.376	ug/L	EPA200.8
8/13/2019 11:25	Cu		4.099	ug/L	EPA200.8
8/20/2019 10:45	Cu		3.503	ug/L	EPA200.8
7/23/2019 8:40	DRPhos		0.038	mg/L	EPA365.1
7/30/2019 11:40	DRPhos		0.028	mg/L	EPA365.1
8/6/2019 10:37	DRPhos		0.031	mg/L	EPA365.1
8/13/2019 11:25	DRPhos		0.032	mg/L	EPA365.1
8/20/2019 10:45	DRPhos		0.031	mg/L	EPA365.1



Cuyahoga River  
River Mile 11.30

Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 8:40	E. coli		3730	MPN/100 mL	SM9223 Colilert
7/30/2019 11:40	E. coli		1220	MPN/100 mL	SM9223 Colilert
8/6/2019 10:37	E. coli		166	MPN/100 mL	SM9223 Colilert
8/13/2019 11:25	E. coli		664	MPN/100 mL	SM9223 Colilert
8/20/2019 10:45	E. coli		466	MPN/100 mL	SM9223 Colilert
7/23/2019 8:40	Fe		3704	ug/L	EPA200.8
7/30/2019 11:40	Fe		1383	ug/L	EPA200.8
8/6/2019 10:37	Fe		630.8	ug/L	EPA200.8
8/13/2019 11:25	Fe		1443	ug/L	EPA200.8
8/20/2019 10:45	Fe		1050	ug/L	EPA200.8
7/23/2019 8:40	Field Cond		554	umhos/cm	SM 2510A
7/30/2019 11:40	Field Cond		851	umhos/cm	SM 2510A
8/6/2019 10:37	Field Cond		804	umhos/cm	SM 2510A
8/13/2019 11:25	Field Cond		804	umhos/cm	SM 2510A
8/20/2019 10:45	Field Cond		739	umhos/cm	SM 2510A
7/23/2019 8:40	Field Spec Cond		580	umhos/cm	SM 2510B
7/30/2019 11:40	Field Spec Cond		858	umhos/cm	SM 2510B
8/6/2019 10:37	Field Spec Cond		843	umhos/cm	SM 2510B
8/13/2019 11:25	Field Spec Cond		843	umhos/cm	SM 2510B
8/20/2019 10:45	Field Spec Cond		756.6	umhos/cm	SM 2510B
7/23/2019 8:40	Field DO		7.6	mg/L	SM 4500-0 G
7/30/2019 11:40	Field DO		7.4	mg/L	SM 4500-0 G
8/6/2019 10:37	Field DO		7.9	mg/L	SM 4500-0 G
8/13/2019 11:25	Field DO		7.9	mg/L	SM 4500-0 G
8/20/2019 10:45	Field DO		7.5	mg/L	SM 4500-0 G
7/23/2019 8:40	Field DO		88	%	
7/30/2019 11:40	Field DO		89	%	
8/6/2019 10:37	Field DO		91	%	
8/13/2019 11:25	Field DO		91	%	
8/20/2019 10:45	Field DO		89	%	
7/23/2019 8:40	Field Temp		22.6	C	EPA 170.1
7/30/2019 11:40	Field Temp		24.6	C	EPA 170.1
8/6/2019 10:37	Field Temp		22.6	C	EPA 170.1
8/13/2019 11:25	Field Temp		22.6	C	EPA 170.1
8/20/2019 10:45	Field Temp		23.8	C	EPA 170.1
7/23/2019 8:40	Hg	<	0.022	ug/L	EPA245.1
7/30/2019 11:40	Hg	<	0.022	ug/L	EPA245.1
8/6/2019 10:37	Hg	<	0.022	ug/L	EPA245.1

Cuyahoga River River Mile 11.30					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 11:25	Hg	<	0.022	ug/L	EPA245.1
8/20/2019 10:45	Hg	<	0.022	ug/L	EPA245.1
7/23/2019 8:40	K		3119	ug/L	EPA200.8
7/30/2019 11:40	K		4250	ug/L	EPA200.8
8/6/2019 10:37	K		4857	ug/L	EPA200.8
8/13/2019 11:25	K		4289	ug/L	EPA200.8
8/20/2019 10:45	K		3602	ug/L	EPA200.8
8/13/2019 11:25	Mg		14550	ug/L	EPA200.7
7/23/2019 8:40	Mg		8412	ug/L	EPA200.8
7/30/2019 11:40	Mg		12540	ug/L	EPA200.8
8/6/2019 10:37	Mg		14320	ug/L	EPA200.8
8/20/2019 10:45	Mg		10740	ug/L	EPA200.8
7/23/2019 8:40	Mn		187.8	ug/L	EPA200.8
7/30/2019 11:40	Mn		80.25	ug/L	EPA200.8
8/6/2019 10:37	Mn		49.49	ug/L	EPA200.8
8/13/2019 11:25	Mn		87.64	ug/L	EPA200.8
8/20/2019 10:45	Mn		70.74	ug/L	EPA200.8
7/23/2019 8:40	Mo		2.285	ug/L	EPA200.8
7/30/2019 11:40	Mo		2.87	ug/L	EPA200.8
8/6/2019 10:37	Mo		2.818	ug/L	EPA200.8
8/13/2019 11:25	Mo		7.719	ug/L	EPA200.8
8/20/2019 10:45	Mo		1.62	ug/L	EPA200.8
7/23/2019 8:40	Na		47790	ug/L	EPA200.8
7/30/2019 11:40	Na		74720	ug/L	EPA200.8
8/6/2019 10:37	Na		73870	ug/L	EPA200.8
8/13/2019 11:25	Na		65700	ug/L	EPA200.8
8/20/2019 10:45	Na		59560	ug/L	EPA200.8
7/23/2019 8:40	NH3	j	0.022	mg/L	EPA350.1
7/30/2019 11:40	NH3	<	0.02	mg/L	EPA350.1
8/6/2019 10:37	NH3	<	0.02	mg/L	EPA350.1
8/13/2019 11:25	NH3	<	0.02	mg/L	EPA350.1
8/20/2019 10:45	NH3	<	0.02	mg/L	EPA350.1
7/23/2019 8:40	Ni		5.524	ug/L	EPA200.8
7/30/2019 11:40	Ni	j	3.814	ug/L	EPA200.8
8/6/2019 10:37	Ni	j	3.158	ug/L	EPA200.8
8/13/2019 11:25	Ni	j	3.588	ug/L	EPA200.8
8/20/2019 10:45	Ni	j	3.176	ug/L	EPA200.8

Cuyahoga River River Mile 11.30					
Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 8:40	NO3-NO2		1.222	mg/L	EPA353.2
7/30/2019 11:40	NO3-NO2		3.406	mg/L	EPA353.2
8/6/2019 10:37	NO3-NO2		4.265	mg/L	EPA353.2
8/13/2019 11:25	NO3-NO2		3.02	mg/L	EPA353.2
8/20/2019 10:45	NO3-NO2		2.046	mg/L	EPA353.2
7/23/2019 8:40	Pb		6.116	ug/L	EPA200.8
7/30/2019 11:40	Pb		1.776	ug/L	EPA200.8
8/6/2019 10:37	Pb	j	0.562	ug/L	EPA200.8
8/13/2019 11:25	Pb		1.566	ug/L	EPA200.8
8/20/2019 10:45	Pb		1.484	ug/L	EPA200.8
7/23/2019 8:40	pH		7.5	S.U.	
7/30/2019 11:40	pH		7.8	S.U.	
8/6/2019 10:37	pH		7.7	S.U.	
8/13/2019 11:25	pH		7.7	S.U.	
8/20/2019 10:45	pH		7.8	S.U.	
7/23/2019 8:40	Sb	<	0.377	ug/L	EPA200.8
7/30/2019 11:40	Sb	<	0.944	ug/L	EPA200.8
8/6/2019 10:37	Sb	<	0.944	ug/L	EPA200.8
8/13/2019 11:25	Sb	<	0.944	ug/L	EPA200.8
8/20/2019 10:45	Sb	<	0.944	ug/L	EPA200.8
7/23/2019 8:40	Se	<	0.571	ug/L	EPA200.8
7/30/2019 11:40	Se	<	0.808	ug/L	EPA200.8
8/6/2019 10:37	Se	<	0.808	ug/L	EPA200.8
8/13/2019 11:25	Se	<	0.808	ug/L	EPA200.8
8/20/2019 10:45	Se	<	0.808	ug/L	EPA200.8
7/23/2019 8:40	Sn	<	2.444	ug/L	EPA200.8
7/30/2019 11:40	Sn	<	11.92	ug/L	EPA200.8
8/6/2019 10:37	Sn	<	11.92	ug/L	EPA200.8
8/13/2019 11:25	Sn	<	11.92	ug/L	EPA200.8
8/20/2019 10:45	Sn	<	11.92	ug/L	EPA200.8
7/23/2019 8:40	Sr		197.377	ug/L	EPA200.8
7/30/2019 11:40	Sr		231.744	ug/L	EPA200.8
8/6/2019 10:37	Sr		231.343	ug/L	EPA200.8
8/13/2019 11:25	Sr		216.11	ug/L	EPA200.8
8/20/2019 10:45	Sr		212.238	ug/L	EPA200.8
7/23/2019 8:40	TDS		328	mg/L	SM2540 C
7/30/2019 11:40	TDS		476	mg/L	SM2540 C
8/6/2019 10:37	TDS		544	mg/L	SM2540 C
8/13/2019 11:25	TDS		492	mg/L	SM2540 C

Cuyahoga River River Mile 11.30					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 10:45	TDS		422	mg/L	SM2540 C
7/23/2019 8:40	Ti		19.06	ug/L	EPA200.8
7/30/2019 11:40	Ti		7.166	ug/L	EPA200.8
8/6/2019 10:37	Ti		2.666	ug/L	EPA200.8
8/13/2019 11:25	Ti		7.003	ug/L	EPA200.8
8/20/2019 10:45	Ti		3.638	ug/L	EPA200.8
7/23/2019 8:40	TKN		0.763	mg/L	EPA351.2
7/30/2019 11:40	TKN		0.87	mg/L	EPA351.2
8/6/2019 10:37	TKN		0.75	mg/L	EPA351.2
8/13/2019 11:25	TKN		0.802	mg/L	EPA351.2
8/20/2019 10:45	TKN		0.861	mg/L	EPA351.2
7/23/2019 8:40	TI	<	0.1	ug/L	EPA200.8
7/30/2019 11:40	TI	<	0.18	ug/L	EPA200.8
8/6/2019 10:37	TI	<	0.18	ug/L	EPA200.8
8/13/2019 11:25	TI	<	0.18	ug/L	EPA200.8
8/20/2019 10:45	TI	<	0.18	ug/L	EPA200.8
7/23/2019 8:40	TMET		39.4	ug/L	EPA200.8
7/30/2019 11:40	TMET		20.9	ug/L	EPA200.8
8/6/2019 10:37	TMET		16.2	ug/L	EPA200.8
8/13/2019 11:25	TMET		19.7	ug/L	EPA200.8
8/20/2019 10:45	TMET		16.7	ug/L	EPA200.8
7/23/2019 8:40	Total-P		0.141	mg/L	EPA365.1
7/30/2019 11:40	Total-P		0.086	mg/L	EPA365.1
8/6/2019 10:37	Total-P		0.065	mg/L	EPA365.1
8/13/2019 11:25	Total-P		0.082	mg/L	EPA365.1
8/20/2019 10:45	Total-P		0.086	mg/L	EPA365.1
7/23/2019 8:40	TS		516	mg/L	SM2540 B
7/30/2019 11:40	TS		558	mg/L	SM2540 B
8/6/2019 10:37	TS		622	mg/L	SM2540 B
8/13/2019 11:25	TS		602	mg/L	SM2540 B
8/20/2019 10:45	TS		510	mg/L	SM2540 B
7/23/2019 8:40	TSS		128.4	mg/L	SM2540 D
7/30/2019 11:40	TSS		40	mg/L	SM2540 D
8/6/2019 10:37	TSS		9.4	mg/L	SM2540 D
8/13/2019 11:25	TSS		34.5	mg/L	SM2540 D
8/20/2019 10:45	TSS		32.8	mg/L	SM2540 D
7/23/2019 8:40	Turbidity		81.4	NTU	EPA180.1
7/30/2019 11:40	Turbidity		23.15	NTU	EPA180.1

Cuyahoga River River Mile 11.30					
Sample Date	Parameter	Code	Result	Units	Method
8/6/2019 10:37	Turbidity		32.7	NTU	EPA180.1
8/13/2019 11:25	Turbidity		32.7	NTU	EPA180.1
8/20/2019 10:45	Turbidity		22	NTU	EPA180.1
7/23/2019 8:40	V	j	2.68	ug/L	EPA200.8
7/30/2019 11:40	V	j	0.846	ug/L	EPA200.8
8/6/2019 10:37	V	<	0.47	ug/L	EPA200.8
8/13/2019 11:25	V	j	0.827	ug/L	EPA200.8
8/20/2019 10:45	V	j	0.506	ug/L	EPA200.8
7/23/2019 8:40	Zn		24.05	ug/L	EPA200.8
7/30/2019 11:40	Zn		11.68	ug/L	EPA200.8
8/6/2019 10:37	Zn	j	8.655	ug/L	EPA200.8
8/13/2019 11:25	Zn		11.03	ug/L	EPA200.8
8/20/2019 10:45	Zn	j	9.236	ug/L	EPA200.8

Cuyahoga River River Mile 10.75					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 11:05	*CaCO3		219	mg/LCaCO3	EPA200.7
7/23/2019 9:15	*CaCO3		138	mg/LCaCO3	EPA200.8
7/30/2019 10:15	*CaCO3		191	mg/LCaCO3	EPA200.8
8/6/2019 10:18	*CaCO3		214	mg/LCaCO3	EPA200.8
8/20/2019 10:20	*CaCO3		159	mg/LCaCO3	EPA200.8
7/23/2019 9:15	Ag	<	0.059	ug/L	EPA200.8
7/30/2019 10:15	Ag	<	0.142	ug/L	EPA200.8
8/6/2019 10:18	Ag	<	0.142	ug/L	EPA200.8
8/13/2019 11:05	Ag	<	0.142	ug/L	EPA200.8
8/20/2019 10:20	Ag	<	0.142	ug/L	EPA200.8
7/23/2019 9:15	Al		1616	ug/L	EPA200.7
7/30/2019 10:15	Al		460.4	ug/L	EPA200.8
8/6/2019 10:18	Al		113.6	ug/L	EPA200.8
8/13/2019 11:05	Al		361.6	ug/L	EPA200.8
8/20/2019 10:20	Al		382.5	ug/L	EPA200.8
7/23/2019 9:15	Alkalinity		114.5	mg/LCaCO3	EPA310.2
7/30/2019 10:15	Alkalinity		143.2	mg/LCaCO3	EPA310.2
8/6/2019 10:18	Alkalinity		145.4	mg/LCaCO3	EPA310.2
8/13/2019 11:05	Alkalinity		142.2	mg/LCaCO3	EPA310.2
8/20/2019 10:20	Alkalinity		126.7	mg/LCaCO3	EPA310.2
7/23/2019 9:15	As		4.073	ug/L	EPA200.8
7/30/2019 10:15	As	j	2.293	ug/L	EPA200.8
8/6/2019 10:18	As	j	2.006	ug/L	EPA200.8
8/13/2019 11:05	As	j	2.29	ug/L	EPA200.8
7/23/2019 9:15	Ba		42.07	ug/L	EPA200.8
7/30/2019 10:15	Ba		44.01	ug/L	EPA200.8
8/6/2019 10:18	Ba		44.15	ug/L	EPA200.8
8/13/2019 11:05	Ba		46.38	ug/L	EPA200.8
8/20/2019 10:20	Ba		38.68	ug/L	EPA200.8
7/23/2019 9:15	Be	<	0.071	ug/L	EPA200.8
7/30/2019 10:15	Be	<	0.094	ug/L	EPA200.8
8/6/2019 10:18	Be	<	0.094	ug/L	EPA200.8
8/13/2019 11:05	Be	<	0.094	ug/L	EPA200.8
8/20/2019 10:20	Be	<	0.094	ug/L	EPA200.8
7/23/2019 9:15	BOD	<	2	mg/L	SM5210 B
7/30/2019 10:15	BOD	<	2	mg/L	SM5210 B
8/6/2019 10:18	BOD	<	2	mg/L	SM5210 B

Cuyahoga River River Mile 10.75					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 11:05	BOD		2.4	mg/L	SM5210 B
8/20/2019 10:20	BOD		2.7	mg/L	SM5210 B
8/13/2019 11:05	Ca		63780	ug/L	EPA200.7
7/23/2019 9:15	Ca		41020	ug/L	EPA200.8
7/30/2019 10:15	Ca		55770	ug/L	EPA200.8
8/6/2019 10:18	Ca		62320	ug/L	EPA200.8
8/13/2019 11:05	Ca		58280	ug/L	EPA200.8
8/20/2019 10:20	Ca		46050	ug/L	EPA200.8
7/23/2019 9:15	Cd	j	0.123	ug/L	EPA200.8
7/30/2019 10:15	Cd	<	0.086	ug/L	EPA200.8
8/6/2019 10:18	Cd	<	0.086	ug/L	EPA200.8
8/13/2019 11:05	Cd	<	0.086	ug/L	EPA200.8
8/20/2019 10:20	Cd	<	0.086	ug/L	EPA200.8
7/23/2019 9:15	Co		1.635	ug/L	EPA200.8
7/30/2019 10:15	Co	j	0.849	ug/L	EPA200.8
8/6/2019 10:18	Co	j	0.428	ug/L	EPA200.8
8/13/2019 11:05	Co	j	0.715	ug/L	EPA200.8
8/20/2019 10:20	Co	j	0.653	ug/L	EPA200.8
7/23/2019 9:15	COD		37.4	mg/L	EPA410.4
7/30/2019 10:15	COD	j	20.4	mg/L	EPA410.4
8/6/2019 10:18	COD	j	19.5	mg/L	EPA410.4
8/13/2019 11:05	COD		23.3	mg/L	EPA410.4
8/20/2019 10:20	COD	j	17.1	mg/L	EPA410.4
7/23/2019 9:15	Cr	j	2.661	ug/L	EPA200.8
7/30/2019 10:15	Cr	j	1.269	ug/L	EPA200.8
8/6/2019 10:18	Cr	<	0.616	ug/L	EPA200.8
8/13/2019 11:05	Cr	j	0.918	ug/L	EPA200.8
8/20/2019 10:20	Cr	j	0.925	ug/L	EPA200.8
7/23/2019 9:15	Cu		7.111	ug/L	EPA200.8
7/30/2019 10:15	Cu		4.392	ug/L	EPA200.8
8/6/2019 10:18	Cu		2.875	ug/L	EPA200.8
8/13/2019 11:05	Cu		3.649	ug/L	EPA200.8
8/20/2019 10:20	Cu		3.752	ug/L	EPA200.8
7/23/2019 9:15	DRPhos		0.051	mg/L	EPA365.1
7/30/2019 10:15	DRPhos		0.028	mg/L	EPA365.1
8/6/2019 10:18	DRPhos		0.029	mg/L	EPA365.1
8/13/2019 11:05	DRPhos		0.032	mg/L	EPA365.1
8/20/2019 10:20	DRPhos		0.031	mg/L	EPA365.1

Cuyahoga River  
River Mile 10.75

Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 9:15	E. coli		3440	MPN/100 mL	SM9223 Colilert
7/30/2019 10:15	E. coli		2326	MPN/100 mL	SM9223 Colilert
8/6/2019 10:18	E. coli		170	MPN/100 mL	SM9223 Colilert
8/13/2019 11:05	E. coli		498	MPN/100 mL	SM9223 Colilert
8/20/2019 10:20	E. coli		410	MPN/100 mL	SM9223 Colilert
7/23/2019 9:15	Fe		3338	ug/L	EPA200.8
7/30/2019 10:15	Fe		1430	ug/L	EPA200.8
8/6/2019 10:18	Fe		609.1	ug/L	EPA200.8
8/13/2019 11:05	Fe		1300	ug/L	EPA200.8
8/20/2019 10:20	Fe		1243	ug/L	EPA200.8
7/23/2019 9:15	Field Cond		579	umhos/cm	SM 2510A
7/30/2019 10:15	Field Cond		827	umhos/cm	SM 2510A
8/6/2019 10:18	Field Cond		824	umhos/cm	SM 2510A
8/13/2019 11:05	Field Cond		824	umhos/cm	SM 2510A
8/20/2019 10:20	Field Cond		739	umhos/cm	SM 2510A
7/23/2019 9:15	Field Spec Cond		607	umhos/cm	SM 2510B
7/30/2019 10:15	Field Spec Cond		833	umhos/cm	SM 2510B
8/6/2019 10:18	Field Spec Cond		865	umhos/cm	SM 2510B
8/13/2019 11:05	Field Spec Cond		865	umhos/cm	SM 2510B
8/20/2019 10:20	Field Spec Cond		758.9	umhos/cm	SM 2510B
7/23/2019 9:15	Field DO		7.6	mg/L	SM 4500-0 G
7/30/2019 10:15	Field DO		7.3	mg/L	SM 4500-0 G
8/6/2019 10:18	Field DO		7.8	mg/L	SM 4500-0 G
8/13/2019 11:05	Field DO		7.8	mg/L	SM 4500-0 G
8/20/2019 10:20	Field DO		7.4	mg/L	SM 4500-0 G
7/23/2019 9:15	Field DO		88	%	
7/30/2019 10:15	Field DO		88	%	
8/6/2019 10:18	Field DO		90	%	
8/13/2019 11:05	Field DO		90	%	
8/20/2019 10:20	Field DO		87	%	
7/23/2019 9:15	Field Temp		22.6	C	EPA 170.1
7/30/2019 10:15	Field Temp		24.6	C	EPA 170.1
8/6/2019 10:18	Field Temp		22.5	C	EPA 170.1
8/13/2019 11:05	Field Temp		22.5	C	EPA 170.1
8/20/2019 10:20	Field Temp		23.6	C	EPA 170.1
7/23/2019 9:15	Hg	<	0.022	ug/L	EPA245.1
7/30/2019 10:15	Hg	<	0.022	ug/L	EPA245.1
8/6/2019 10:18	Hg	<	0.022	ug/L	EPA245.1



Cuyahoga River River Mile 10.75					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 11:05	Hg	<	0.022	ug/L	EPA245.1
8/20/2019 10:20	Hg	<	0.022	ug/L	EPA245.1
7/23/2019 9:15	K		3449	ug/L	EPA200.8
7/30/2019 10:15	K		4093	ug/L	EPA200.8
8/6/2019 10:18	K		4678	ug/L	EPA200.8
8/13/2019 11:05	K		4383	ug/L	EPA200.8
8/20/2019 10:20	K		3561	ug/L	EPA200.8
8/13/2019 11:05	Mg		14560	ug/L	EPA200.7
7/23/2019 9:15	Mg		8609	ug/L	EPA200.8
7/30/2019 10:15	Mg		12630	ug/L	EPA200.8
8/6/2019 10:18	Mg		14120	ug/L	EPA200.8
8/20/2019 10:20	Mg		10600	ug/L	EPA200.8
7/23/2019 9:15	Mn		173.8	ug/L	EPA200.8
7/30/2019 10:15	Mn		80	ug/L	EPA200.8
8/6/2019 10:18	Mn		45.25	ug/L	EPA200.8
8/13/2019 11:05	Mn		82.21	ug/L	EPA200.8
8/20/2019 10:20	Mn		69.91	ug/L	EPA200.8
7/23/2019 9:15	Mo		2.287	ug/L	EPA200.8
7/30/2019 10:15	Mo		2.679	ug/L	EPA200.8
8/6/2019 10:18	Mo		2.965	ug/L	EPA200.8
8/13/2019 11:05	Mo		7.692	ug/L	EPA200.8
8/20/2019 10:20	Mo		2.268	ug/L	EPA200.8
7/23/2019 9:15	Na		51390	ug/L	EPA200.8
7/30/2019 10:15	Na		69420	ug/L	EPA200.8
8/6/2019 10:18	Na		76010	ug/L	EPA200.8
8/13/2019 11:05	Na		66210	ug/L	EPA200.8
8/20/2019 10:20	Na		58460	ug/L	EPA200.8
7/23/2019 9:15	NH3	j	0.034	mg/L	EPA350.1
7/30/2019 10:15	NH3	<	0.02	mg/L	EPA350.1
8/6/2019 10:18	NH3	<	0.02	mg/L	EPA350.1
8/13/2019 11:05	NH3	<	0.02	mg/L	EPA350.1
8/20/2019 10:20	NH3	<	0.02	mg/L	EPA350.1
7/23/2019 9:15	Ni		5.544	ug/L	EPA200.8
7/30/2019 10:15	Ni		4.026	ug/L	EPA200.8
8/6/2019 10:18	Ni	j	2.959	ug/L	EPA200.8
8/13/2019 11:05	Ni	j	3.499	ug/L	EPA200.8
8/20/2019 10:20	Ni	j	3.26	ug/L	EPA200.8

Cuyahoga River River Mile 10.75					
Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 9:15	NO3-NO2		1.564	mg/L	EPA353.2
7/30/2019 10:15	NO3-NO2		3.434	mg/L	EPA353.2
8/6/2019 10:18	NO3-NO2		4.023	mg/L	EPA353.2
8/13/2019 11:05	NO3-NO2		2.985	mg/L	EPA353.2
8/20/2019 10:20	NO3-NO2		1.969	mg/L	EPA353.2
7/23/2019 9:15	Pb		5.603	ug/L	EPA200.8
7/30/2019 10:15	Pb		1.87	ug/L	EPA200.8
8/6/2019 10:18	Pb	j	0.504	ug/L	EPA200.8
8/13/2019 11:05	Pb		1.475	ug/L	EPA200.8
8/20/2019 10:20	Pb		1.601	ug/L	EPA200.8
7/23/2019 9:15	pH		7.5	S.U.	
7/30/2019 10:15	pH		7.9	S.U.	
8/6/2019 10:18	pH		7.7	S.U.	
8/13/2019 11:05	pH		7.7	S.U.	
8/20/2019 10:20	pH		7.8	S.U.	
7/23/2019 9:15	Sb	<	0.377	ug/L	EPA200.8
7/30/2019 10:15	Sb	<	0.944	ug/L	EPA200.8
8/6/2019 10:18	Sb	<	0.944	ug/L	EPA200.8
8/13/2019 11:05	Sb	<	0.944	ug/L	EPA200.8
8/20/2019 10:20	Sb	<	0.944	ug/L	EPA200.8
7/23/2019 9:15	Se	<	0.571	ug/L	EPA200.8
7/30/2019 10:15	Se	<	0.808	ug/L	EPA200.8
8/6/2019 10:18	Se	<	0.808	ug/L	EPA200.8
8/13/2019 11:05	Se	<	0.808	ug/L	EPA200.8
7/23/2019 9:15	Sn	<	2.444	ug/L	EPA200.8
7/30/2019 10:15	Sn	<	11.92	ug/L	EPA200.8
8/6/2019 10:18	Sn	<	11.92	ug/L	EPA200.8
8/13/2019 11:05	Sn	<	11.92	ug/L	EPA200.8
8/20/2019 10:20	Sn	<	11.92	ug/L	EPA200.8
7/23/2019 9:15	Sr		200.127	ug/L	EPA200.8
7/30/2019 10:15	Sr		216.764	ug/L	EPA200.8
8/6/2019 10:18	Sr		228.006	ug/L	EPA200.8
8/13/2019 11:05	Sr		221.961	ug/L	EPA200.8
8/20/2019 10:20	Sr		211.079	ug/L	EPA200.8
7/23/2019 9:15	TDS		340	mg/L	SM2540 C
7/30/2019 10:15	TDS		474	mg/L	SM2540 C
8/6/2019 10:18	TDS		548	mg/L	SM2540 C
8/13/2019 11:05	TDS		538	mg/L	SM2540 C
8/20/2019 10:20	TDS		436	mg/L	SM2540 C

Cuyahoga River  
River Mile 10.75

Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 9:15	Ti		16.3	ug/L	EPA200.8
7/30/2019 10:15	Ti		7.297	ug/L	EPA200.8
8/6/2019 10:18	Ti		2.852	ug/L	EPA200.8
8/13/2019 11:05	Ti		6.535	ug/L	EPA200.8
8/20/2019 10:20	Ti		6.198	ug/L	EPA200.8
7/23/2019 9:15	TKN		0.972	mg/L	EPA351.2
7/30/2019 10:15	TKN		0.757	mg/L	EPA351.2
8/6/2019 10:18	TKN		0.682	mg/L	EPA351.2
8/13/2019 11:05	TKN		0.696	mg/L	EPA351.2
8/20/2019 10:20	TKN		0.677	mg/L	EPA351.2
7/23/2019 9:15	TI	<	0.1	ug/L	EPA200.8
7/30/2019 10:15	TI	j	0.293	ug/L	EPA200.8
8/6/2019 10:18	TI	<	0.18	ug/L	EPA200.8
8/13/2019 11:05	TI	<	0.18	ug/L	EPA200.8
8/20/2019 10:20	TI	<	0.18	ug/L	EPA200.8
7/23/2019 9:15	TMET		38.8	ug/L	EPA200.8
7/30/2019 10:15	TMET		21.4	ug/L	EPA200.8
8/6/2019 10:18	TMET		12.2	ug/L	EPA200.8
8/13/2019 11:05	TMET		18.2	ug/L	EPA200.8
8/20/2019 10:20	TMET		18.5	ug/L	EPA200.8
7/23/2019 9:15	Total-P		0.2	mg/L	EPA365.1
7/30/2019 10:15	Total-P		0.085	mg/L	EPA365.1
8/6/2019 10:18	Total-P		0.062	mg/L	EPA365.1
8/13/2019 11:05	Total-P		0.087	mg/L	EPA365.1
8/20/2019 10:20	Total-P		0.083	mg/L	EPA365.1
7/23/2019 9:15	TS		520	mg/L	SM2540 B
7/30/2019 10:15	TS		590	mg/L	SM2540 B
8/6/2019 10:18	TS		636	mg/L	SM2540 B
8/13/2019 11:05	TS		630	mg/L	SM2540 B
8/20/2019 10:20	TS		520	mg/L	SM2540 B
7/23/2019 9:15	TSS		135.5	mg/L	SM2540 D
7/30/2019 10:15	TSS		46.5	mg/L	SM2540 D
8/6/2019 10:18	TSS		8.5	mg/L	SM2540 D
8/13/2019 11:05	TSS		26.4	mg/L	SM2540 D
8/20/2019 10:20	TSS		35.6	mg/L	SM2540 D
7/23/2019 9:15	Turbidity		56.2	NTU	EPA180.1
7/30/2019 10:15	Turbidity		18.75	NTU	EPA180.1
8/6/2019 10:18	Turbidity		30.3	NTU	EPA180.1

Cuyahoga River River Mile 10.75					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 11:05	Turbidity		30.3	NTU	EPA180.1
8/20/2019 10:20	Turbidity		20.8	NTU	EPA180.1
7/23/2019 9:15	V	j	2.683	ug/L	EPA200.8
7/30/2019 10:15	V	j	0.849	ug/L	EPA200.8
8/6/2019 10:18	V	<	0.47	ug/L	EPA200.8
8/13/2019 11:05	V	j	0.743	ug/L	EPA200.8
8/20/2019 10:20	V	j	0.759	ug/L	EPA200.8
7/23/2019 9:15	Zn		23.47	ug/L	EPA200.8
7/30/2019 10:15	Zn		11.76	ug/L	EPA200.8
8/6/2019 10:18	Zn	j	6.41	ug/L	EPA200.8
8/13/2019 11:05	Zn		10.09	ug/L	EPA200.8
8/20/2019 10:20	Zn		10.6	ug/L	EPA200.8

Cuyahoga River River Mile 10.10					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 10:45	*CaCO3		220	mg/LCaCO3	EPA200.7
7/23/2019 10:00	*CaCO3		132	mg/LCaCO3	EPA200.8
7/30/2019 9:55	*CaCO3		198	mg/LCaCO3	EPA200.8
8/6/2019 10:00	*CaCO3		211	mg/LCaCO3	EPA200.8
8/20/2019 10:08	*CaCO3		162	mg/LCaCO3	EPA200.8
7/23/2019 10:00	Ag	<	0.059	ug/L	EPA200.8
7/30/2019 9:55	Ag	<	0.142	ug/L	EPA200.8
8/6/2019 10:00	Ag	<	0.142	ug/L	EPA200.8
8/13/2019 10:45	Ag	<	0.142	ug/L	EPA200.8
8/20/2019 10:08	Ag	<	0.142	ug/L	EPA200.8
7/23/2019 10:00	Al		1579	ug/L	EPA200.7
7/30/2019 9:55	Al		418.4	ug/L	EPA200.8
8/6/2019 10:00	Al		117.1	ug/L	EPA200.8
8/13/2019 10:45	Al		292.6	ug/L	EPA200.8
8/20/2019 10:08	Al		353.4	ug/L	EPA200.8
7/23/2019 10:00	Alkalinity		113	mg/LCaCO3	EPA310.2
7/30/2019 9:55	Alkalinity		144.5	mg/LCaCO3	EPA310.2
8/6/2019 10:00	Alkalinity		136.9	mg/LCaCO3	EPA310.2
8/13/2019 10:45	Alkalinity		134	mg/LCaCO3	EPA310.2
8/20/2019 10:08	Alkalinity		123.1	mg/LCaCO3	EPA310.2
7/23/2019 10:00	As		4.223	ug/L	EPA200.8
7/30/2019 9:55	As	j	2.235	ug/L	EPA200.8
8/6/2019 10:00	As	j	2.3	ug/L	EPA200.8
8/13/2019 10:45	As	j	2.544	ug/L	EPA200.8
7/23/2019 10:00	Ba		41.07	ug/L	EPA200.8
7/30/2019 9:55	Ba		40.28	ug/L	EPA200.8
8/6/2019 10:00	Ba		40.14	ug/L	EPA200.8
8/13/2019 10:45	Ba		41.33	ug/L	EPA200.8
8/20/2019 10:08	Ba		37.1	ug/L	EPA200.8
7/23/2019 10:00	Be	<	0.071	ug/L	EPA200.8
7/30/2019 9:55	Be	<	0.094	ug/L	EPA200.8
8/6/2019 10:00	Be	<	0.094	ug/L	EPA200.8
8/13/2019 10:45	Be	<	0.094	ug/L	EPA200.8
8/20/2019 10:08	Be	<	0.094	ug/L	EPA200.8
7/23/2019 10:00	BOD		2	mg/L	SM5210 B
7/30/2019 9:55	BOD	<	2	mg/L	SM5210 B
8/13/2019 10:45	BOD		2.6	mg/L	SM5210 B

Cuyahoga River River Mile 10.10					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 10:08	BOD		3	mg/L	SM5210 B
8/13/2019 10:45	Ca		63540	ug/L	EPA200.7
7/23/2019 10:00	Ca		39840	ug/L	EPA200.8
7/30/2019 9:55	Ca		57180	ug/L	EPA200.8
8/6/2019 10:00	Ca		60550	ug/L	EPA200.8
8/13/2019 10:45	Ca		59820	ug/L	EPA200.8
8/20/2019 10:08	Ca		46450	ug/L	EPA200.8
7/23/2019 10:00	Cd	j	0.096	ug/L	EPA200.8
7/30/2019 9:55	Cd	<	0.086	ug/L	EPA200.8
8/6/2019 10:00	Cd	<	0.086	ug/L	EPA200.8
8/13/2019 10:45	Cd	<	0.086	ug/L	EPA200.8
8/20/2019 10:08	Cd	<	0.086	ug/L	EPA200.8
7/23/2019 10:00	Co		1.575	ug/L	EPA200.8
7/30/2019 9:55	Co	j	0.844	ug/L	EPA200.8
8/6/2019 10:00	Co	j	0.472	ug/L	EPA200.8
8/13/2019 10:45	Co	j	0.655	ug/L	EPA200.8
8/20/2019 10:08	Co	j	0.666	ug/L	EPA200.8
7/23/2019 10:00	COD		40.2	mg/L	EPA410.4
7/30/2019 9:55	COD	j	20.9	mg/L	EPA410.4
8/6/2019 10:00	COD		21.9	mg/L	EPA410.4
8/13/2019 10:45	COD	<	10.3	mg/L	EPA410.4
8/20/2019 10:08	COD		22.8	mg/L	EPA410.4
7/23/2019 10:00	Cr	j	2.477	ug/L	EPA200.8
7/30/2019 9:55	Cr	j	1.221	ug/L	EPA200.8
8/6/2019 10:00	Cr	<	0.616	ug/L	EPA200.8
8/13/2019 10:45	Cr	j	1.086	ug/L	EPA200.8
8/20/2019 10:08	Cr	j	0.919	ug/L	EPA200.8
7/23/2019 10:00	Cu		6.683	ug/L	EPA200.8
7/30/2019 9:55	Cu		4.587	ug/L	EPA200.8
8/6/2019 10:00	Cu		3.537	ug/L	EPA200.8
8/13/2019 10:45	Cu		4.061	ug/L	EPA200.8
8/20/2019 10:08	Cu		3.688	ug/L	EPA200.8
7/23/2019 10:00	DRPhos		0.039	mg/L	EPA365.1
7/30/2019 9:55	DRPhos		0.072	mg/L	EPA365.1
8/6/2019 10:00	DRPhos		0.133	mg/L	EPA365.1
8/13/2019 10:45	DRPhos		0.105	mg/L	EPA365.1
8/20/2019 10:08	DRPhos		0.066	mg/L	EPA365.1

Cuyahoga River River Mile 10.10					
Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 10:00	E. coli		2172	MPN/100 mL	SM9223 Colilert
7/30/2019 9:55	E. coli		2073	MPN/100 mL	SM9223 Colilert
8/6/2019 10:00	E. coli		200	MPN/100 mL	SM9223 Colilert
8/13/2019 10:45	E. coli		230	MPN/100 mL	SM9223 Colilert
8/20/2019 10:08	E. coli		222	MPN/100 mL	SM9223 Colilert
7/23/2019 10:00	Fe		3321	ug/L	EPA200.8
7/30/2019 9:55	Fe		1314	ug/L	EPA200.8
8/6/2019 10:00	Fe		601.4	ug/L	EPA200.8
8/13/2019 10:45	Fe		1090	ug/L	EPA200.8
8/20/2019 10:08	Fe		1114	ug/L	EPA200.8
7/23/2019 10:00	Field Cond		568	umhos/cm	SM 2510A
7/30/2019 9:55	Field Cond		849	umhos/cm	SM 2510A
8/6/2019 10:00	Field Cond		877	umhos/cm	SM 2510A
8/13/2019 10:45	Field Cond		877	umhos/cm	SM 2510A
8/20/2019 10:08	Field Cond		743	umhos/cm	SM 2510A
7/23/2019 10:00	Field Spec Cond		593	umhos/cm	SM 2510B
7/30/2019 9:55	Field Spec Cond		862	umhos/cm	SM 2510B
8/6/2019 10:00	Field Spec Cond		920	umhos/cm	SM 2510B
8/13/2019 10:45	Field Spec Cond		920	umhos/cm	SM 2510B
8/20/2019 10:08	Field Spec Cond		764.2	umhos/cm	SM 2510B
7/23/2019 10:00	Field DO		593	mg/L	SM 4500-0 G
7/30/2019 9:55	Field DO		7.4	mg/L	SM 4500-0 G
8/6/2019 10:00	Field DO		7.8	mg/L	SM 4500-0 G
8/13/2019 10:45	Field DO		7.8	mg/L	SM 4500-0 G
8/20/2019 10:08	Field DO		7.5	mg/L	SM 4500-0 G
7/23/2019 10:00	Field DO		92	%	
7/30/2019 9:55	Field DO		88	%	
8/6/2019 10:00	Field DO		91	%	
8/13/2019 10:45	Field DO		91	%	
8/20/2019 10:08	Field DO		89	%	
7/23/2019 10:00	Field Temp		22.8	C	EPA 170.1
7/30/2019 9:55	Field Temp		24.2	C	EPA 170.1
8/6/2019 10:00	Field Temp		22.6	C	EPA 170.1
8/13/2019 10:45	Field Temp		22.6	C	EPA 170.1
8/20/2019 10:08	Field Temp		23.5	C	EPA 170.1
7/23/2019 10:00	Hg	<	0.022	ug/L	EPA245.1
7/30/2019 9:55	Hg	<	0.022	ug/L	EPA245.1
8/6/2019 10:00	Hg	<	0.022	ug/L	EPA245.1
8/13/2019 10:45	Hg	<	0.022	ug/L	EPA245.1

Cuyahoga River River Mile 10.10					
Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 10:08	Hg	<	0.022	ug/L	EPA245.1
7/23/2019 10:00	K		3237	ug/L	EPA200.8
7/30/2019 9:55	K		4944	ug/L	EPA200.8
8/6/2019 10:00	K		5778	ug/L	EPA200.8
8/13/2019 10:45	K		5788	ug/L	EPA200.8
8/20/2019 10:08	K		4052	ug/L	EPA200.8
8/13/2019 10:45	Mg		15000	ug/L	EPA200.7
7/23/2019 10:00	Mg		8037	ug/L	EPA200.8
7/30/2019 9:55	Mg		13420	ug/L	EPA200.8
8/6/2019 10:00	Mg		14630	ug/L	EPA200.8
8/20/2019 10:08	Mg		11250	ug/L	EPA200.8
7/23/2019 10:00	Mn		176.2	ug/L	EPA200.8
7/30/2019 9:55	Mn		78.09	ug/L	EPA200.8
8/6/2019 10:00	Mn		44.47	ug/L	EPA200.8
8/13/2019 10:45	Mn		70.6	ug/L	EPA200.8
8/20/2019 10:08	Mn		66.54	ug/L	EPA200.8
7/23/2019 10:00	Mo		2.237	ug/L	EPA200.8
7/30/2019 9:55	Mo		3.241	ug/L	EPA200.8
8/6/2019 10:00	Mo		3.395	ug/L	EPA200.8
8/13/2019 10:45	Mo		7.871	ug/L	EPA200.8
8/20/2019 10:08	Mo		2.537	ug/L	EPA200.8
7/23/2019 10:00	Na		49500	ug/L	EPA200.8
7/30/2019 9:55	Na		74510	ug/L	EPA200.8
8/6/2019 10:00	Na		80860	ug/L	EPA200.8
8/13/2019 10:45	Na		75900	ug/L	EPA200.8
8/20/2019 10:08	Na		61700	ug/L	EPA200.8
7/23/2019 10:00	NH3	<	0.02	mg/L	EPA350.1
7/30/2019 9:55	NH3		0.054	mg/L	EPA350.1
8/6/2019 10:00	NH3	j	0.025	mg/L	EPA350.1
8/13/2019 10:45	NH3	<	0.02	mg/L	EPA350.1
8/20/2019 10:08	NH3	<	0.02	mg/L	EPA350.1
7/23/2019 10:00	Ni		5.227	ug/L	EPA200.8
7/30/2019 9:55	Ni		4.652	ug/L	EPA200.8
8/6/2019 10:00	Ni	j	3.976	ug/L	EPA200.8
8/13/2019 10:45	Ni		4.14	ug/L	EPA200.8
8/20/2019 10:08	Ni	j	3.535	ug/L	EPA200.8
7/23/2019 10:00	NO3-NO2		1.205	mg/L	EPA353.2



Cuyahoga River River Mile 10.10					
Sample Date	Parameter	Code	Result	Units	Method
7/30/2019 9:55	NO3-NO2		4.701	mg/L	EPA353.2
8/6/2019 10:00	NO3-NO2		5.96	mg/L	EPA353.2
8/13/2019 10:45	NO3-NO2		5.69	mg/L	EPA353.2
8/20/2019 10:08	NO3-NO2		2.487	mg/L	EPA353.2
7/23/2019 10:00	Pb		5.184	ug/L	EPA200.8
7/30/2019 9:55	Pb		1.764	ug/L	EPA200.8
8/6/2019 10:00	Pb	j	0.554	ug/L	EPA200.8
8/13/2019 10:45	Pb		1.345	ug/L	EPA200.8
8/20/2019 10:08	Pb		1.552	ug/L	EPA200.8
7/23/2019 10:00	pH		7.8	S.U.	
7/30/2019 9:55	pH		7.7	S.U.	
8/6/2019 10:00	pH		7.4	S.U.	
8/13/2019 10:45	pH		7.8	S.U.	
8/20/2019 10:08	pH		7.7	S.U.	
7/23/2019 10:00	Sb	<	0.377	ug/L	EPA200.8
7/30/2019 9:55	Sb	<	0.944	ug/L	EPA200.8
8/6/2019 10:00	Sb	<	0.944	ug/L	EPA200.8
8/13/2019 10:45	Sb	<	0.944	ug/L	EPA200.8
8/20/2019 10:08	Sb	<	0.944	ug/L	EPA200.8
7/23/2019 10:00	Se	<	0.571	ug/L	EPA200.8
7/30/2019 9:55	Se	<	0.808	ug/L	EPA200.8
8/6/2019 10:00	Se	<	0.808	ug/L	EPA200.8
8/13/2019 10:45	Se	<	0.808	ug/L	EPA200.8
8/20/2019 10:08	Se	<	0.808	ug/L	EPA200.8
7/23/2019 10:00	Sn	<	2.444	ug/L	EPA200.8
7/30/2019 9:55	Sn	<	11.92	ug/L	EPA200.8
8/6/2019 10:00	Sn	<	11.92	ug/L	EPA200.8
8/13/2019 10:45	Sn	<	11.92	ug/L	EPA200.8
8/20/2019 10:08	Sn	<	11.92	ug/L	EPA200.8
7/23/2019 10:00	Sr		194.244	ug/L	EPA200.8
7/30/2019 9:55	Sr		228.229	ug/L	EPA200.8
8/6/2019 10:00	Sr		240.984	ug/L	EPA200.8
8/13/2019 10:45	Sr		247.145	ug/L	EPA200.8
8/20/2019 10:08	Sr		218.624	ug/L	EPA200.8
7/23/2019 10:00	TDS		328	mg/L	SM2540 C
7/30/2019 9:55	TDS		496	mg/L	SM2540 C
8/6/2019 10:00	TDS		562	mg/L	SM2540 C
8/13/2019 10:45	TDS		568	mg/L	SM2540 C
8/20/2019 10:08	TDS		438	mg/L	SM2540 C

Cuyahoga River  
River Mile 10.10

Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 10:00	Ti		17.31	ug/L	EPA200.8
7/30/2019 9:55	Ti		7.173	ug/L	EPA200.8
8/6/2019 10:00	Ti		2.983	ug/L	EPA200.8
8/13/2019 10:45	Ti		6.159	ug/L	EPA200.8
8/20/2019 10:08	Ti		5.205	ug/L	EPA200.8
7/23/2019 10:00	TKN		0.901	mg/L	EPA351.2
7/30/2019 9:55	TKN		0.876	mg/L	EPA351.2
8/6/2019 10:00	TKN		0.703	mg/L	EPA351.2
8/13/2019 10:45	TKN		0.841	mg/L	EPA351.2
8/20/2019 10:08	TKN		0.728	mg/L	EPA351.2
7/23/2019 10:00	TI	<	0.1	ug/L	EPA200.8
7/30/2019 9:55	TI	<	0.18	ug/L	EPA200.8
8/6/2019 10:00	TI	<	0.18	ug/L	EPA200.8
8/13/2019 10:45	TI	<	0.18	ug/L	EPA200.8
8/20/2019 10:08	TI	<	0.18	ug/L	EPA200.8
7/23/2019 10:00	TMET		36.7	ug/L	EPA200.8
7/30/2019 9:55	TMET		22.7	ug/L	EPA200.8
8/6/2019 10:00	TMET		15.2	ug/L	EPA200.8
8/13/2019 10:45	TMET		20	ug/L	EPA200.8
8/20/2019 10:08	TMET		18.6	ug/L	EPA200.8
7/23/2019 10:00	Total-P		0.136	mg/L	EPA365.1
7/30/2019 9:55	Total-P		0.135	mg/L	EPA365.1
8/6/2019 10:00	Total-P		0.175	mg/L	EPA365.1
8/13/2019 10:45	Total-P		0.175	mg/L	EPA365.1
8/20/2019 10:08	Total-P		0.125	mg/L	EPA365.1
7/23/2019 10:00	TS		466	mg/L	SM2540 B
7/30/2019 9:55	TS		602	mg/L	SM2540 B
8/6/2019 10:00	TS		640	mg/L	SM2540 B
8/13/2019 10:45	TS		648	mg/L	SM2540 B
8/20/2019 10:08	TS		512	mg/L	SM2540 B
7/23/2019 10:00	TSS		103.6	mg/L	SM2540 D
7/30/2019 9:55	TSS		29.6	mg/L	SM2540 D
8/6/2019 10:00	TSS		9.6	mg/L	SM2540 D
8/13/2019 10:45	TSS		20.3	mg/L	SM2540 D
8/20/2019 10:08	TSS		29.4	mg/L	SM2540 D
7/23/2019 10:00	Turbidity		63.4	NTU	EPA180.1
7/30/2019 9:55	Turbidity		18.75	NTU	EPA180.1
8/6/2019 10:00	Turbidity		13.9	NTU	EPA180.1

Cuyahoga River River Mile 10.10					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 10:45	Turbidity		13.9	NTU	EPA180.1
8/20/2019 10:08	Turbidity		15.1	NTU	EPA180.1
7/23/2019 10:00	V	j	2.398	ug/L	EPA200.8
7/30/2019 9:55	V	j	1.026	ug/L	EPA200.8
8/6/2019 10:00	V	<	0.47	ug/L	EPA200.8
8/13/2019 10:45	V	j	0.899	ug/L	EPA200.8
8/20/2019 10:08	V	j	0.766	ug/L	EPA200.8
7/23/2019 10:00	Zn		22.32	ug/L	EPA200.8
7/30/2019 9:55	Zn		12.22	ug/L	EPA200.8
8/6/2019 10:00	Zn	j	7.718	ug/L	EPA200.8
8/13/2019 10:45	Zn		10.76	ug/L	EPA200.8
8/20/2019 10:08	Zn		10.49	ug/L	EPA200.8

Cuyahoga River River Mile 8.60					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 9:51	*CaCO3		220	mg/LCaCO3	EPA200.7
7/23/2019 11:15	*CaCO3		136	mg/LCaCO3	EPA200.8
7/30/2019 9:20	*CaCO3		195	mg/LCaCO3	EPA200.8
8/6/2019 9:22	*CaCO3		208	mg/LCaCO3	EPA200.8
8/20/2019 9:10	*CaCO3		158	mg/LCaCO3	EPA200.8
7/23/2019 11:15	Ag	<	0.059	ug/L	EPA200.8
7/30/2019 9:20	Ag	<	0.142	ug/L	EPA200.8
8/6/2019 9:22	Ag	<	0.142	ug/L	EPA200.8
8/13/2019 9:51	Ag	<	0.142	ug/L	EPA200.8
8/20/2019 9:10	Ag	<	0.142	ug/L	EPA200.8
7/23/2019 11:15	Al		1792	ug/L	EPA200.7
7/30/2019 9:20	Al		435.8	ug/L	EPA200.8
8/6/2019 9:22	Al		96.05	ug/L	EPA200.8
8/13/2019 9:51	Al		218.3	ug/L	EPA200.8
8/20/2019 9:10	Al		419.7	ug/L	EPA200.8
7/23/2019 11:15	Alkalinity		114.1	mg/LCaCO3	EPA310.2
7/30/2019 9:20	Alkalinity		138.6	mg/LCaCO3	EPA310.2
8/6/2019 9:22	Alkalinity		135.3	mg/LCaCO3	EPA310.2
8/13/2019 9:51	Alkalinity		136.6	mg/LCaCO3	EPA310.2
8/20/2019 9:10	Alkalinity		124.4	mg/LCaCO3	EPA310.2
7/23/2019 11:15	As		4.474	ug/L	EPA200.8
7/30/2019 9:20	As	j	2.528	ug/L	EPA200.8
8/6/2019 9:22	As	j	2.117	ug/L	EPA200.8
8/13/2019 9:51	As	j	2.969	ug/L	EPA200.8
7/23/2019 11:15	Ba		42.37	ug/L	EPA200.8
7/30/2019 9:20	Ba		40.15	ug/L	EPA200.8
8/6/2019 9:22	Ba		40.58	ug/L	EPA200.8
8/13/2019 9:51	Ba		42.65	ug/L	EPA200.8
8/20/2019 9:10	Ba		38	ug/L	EPA200.8
7/23/2019 11:15	Be	<	0.071	ug/L	EPA200.8
7/30/2019 9:20	Be	<	0.094	ug/L	EPA200.8
8/6/2019 9:22	Be	<	0.094	ug/L	EPA200.8
8/13/2019 9:51	Be	<	0.094	ug/L	EPA200.8
8/20/2019 9:10	Be	<	0.094	ug/L	EPA200.8
7/23/2019 11:15	BOD	<	2	mg/L	SM5210 B
8/13/2019 9:51	BOD		2.3	mg/L	SM5210 B
8/20/2019 9:10	BOD		2.9	mg/L	SM5210 B

Cuyahoga River  
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Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 9:51	Ca		63880	ug/L	EPA200.7
7/23/2019 11:15	Ca		41050	ug/L	EPA200.8
7/30/2019 9:20	Ca		56370	ug/L	EPA200.8
8/6/2019 9:22	Ca		59590	ug/L	EPA200.8
8/13/2019 9:51	Ca		58200	ug/L	EPA200.8
8/20/2019 9:10	Ca		45200	ug/L	EPA200.8
7/23/2019 11:15	Cd	j	0.136	ug/L	EPA200.8
7/30/2019 9:20	Cd	<	0.086	ug/L	EPA200.8
8/6/2019 9:22	Cd	<	0.086	ug/L	EPA200.8
8/13/2019 9:51	Cd	<	0.086	ug/L	EPA200.8
8/20/2019 9:10	Cd	<	0.086	ug/L	EPA200.8
7/23/2019 11:15	Co		1.825	ug/L	EPA200.8
7/30/2019 9:20	Co	j	0.824	ug/L	EPA200.8
8/6/2019 9:22	Co	j	0.43	ug/L	EPA200.8
8/13/2019 9:51	Co	j	0.568	ug/L	EPA200.8
8/20/2019 9:10	Co	j	0.699	ug/L	EPA200.8
7/23/2019 11:15	COD		44.1	mg/L	EPA410.4
7/30/2019 9:20	COD	j	17.6	mg/L	EPA410.4
8/6/2019 9:22	COD	j	15.8	mg/L	EPA410.4
8/13/2019 9:51	COD	j	19.9	mg/L	EPA410.4
8/20/2019 9:10	COD		23	mg/L	EPA410.4
7/23/2019 11:15	Cr	j	2.855	ug/L	EPA200.8
7/30/2019 9:20	Cr	j	1.292	ug/L	EPA200.8
8/6/2019 9:22	Cr	<	0.616	ug/L	EPA200.8
8/13/2019 9:51	Cr	j	0.776	ug/L	EPA200.8
8/20/2019 9:10	Cr	j	0.991	ug/L	EPA200.8
7/23/2019 11:15	Cu		7.32	ug/L	EPA200.8
7/30/2019 9:20	Cu		4.822	ug/L	EPA200.8
8/6/2019 9:22	Cu		3.201	ug/L	EPA200.8
8/13/2019 9:51	Cu		3.477	ug/L	EPA200.8
8/20/2019 9:10	Cu		4.034	ug/L	EPA200.8
7/23/2019 11:15	DRPhos		0.052	mg/L	EPA365.1
7/30/2019 9:20	DRPhos		0.069	mg/L	EPA365.1
8/6/2019 9:22	DRPhos		0.122	mg/L	EPA365.1
8/13/2019 9:51	DRPhos		0.076	mg/L	EPA365.1
8/20/2019 9:10	DRPhos		0.058	mg/L	EPA365.1
7/23/2019 11:15	E. coli		2430	MPN/100 mL	SM9223 Colilert

Cuyahoga River River Mile 8.60					
Sample Date	Parameter	Code	Result	Units	Method
7/30/2019 9:20	E. coli		1836	MPN/100 mL	SM9223 Colilert
8/6/2019 9:22	E. coli		165	MPN/100 mL	SM9223 Colilert
8/13/2019 9:51	E. coli		222	MPN/100 mL	SM9223 Colilert
8/20/2019 9:10	E. coli		390	MPN/100 mL	SM9223 Colilert
7/23/2019 11:15	Fe		3720	ug/L	EPA200.8
7/30/2019 9:20	Fe		1345	ug/L	EPA200.8
8/6/2019 9:22	Fe		574.6	ug/L	EPA200.8
8/13/2019 9:51	Fe		936.1	ug/L	EPA200.8
8/20/2019 9:10	Fe		1263	ug/L	EPA200.8
7/23/2019 11:15	Field Cond		575	umhos/cm	SM 2510A
7/30/2019 9:20	Field Cond		856	umhos/cm	SM 2510A
8/6/2019 9:22	Field Cond		856	umhos/cm	SM 2510A
8/13/2019 9:51	Field Cond		856	umhos/cm	SM 2510A
8/20/2019 9:10	Field Cond		740	umhos/cm	SM 2510A
7/23/2019 11:15	Field Spec Cond		589	umhos/cm	SM 2510B
7/30/2019 9:20	Field Spec Cond		872	umhos/cm	SM 2510B
8/6/2019 9:22	Field Spec Cond		895	umhos/cm	SM 2510B
8/13/2019 9:51	Field Spec Cond		895	umhos/cm	SM 2510B
8/20/2019 9:10	Field Spec Cond		762	umhos/cm	SM 2510B
7/23/2019 11:15	Field DO		8.2	mg/L	SM 4500-0 G
7/30/2019 9:20	Field DO		7.2	mg/L	SM 4500-0 G
8/6/2019 9:22	Field DO		7.6	mg/L	SM 4500-0 G
8/13/2019 9:51	Field DO		7.6	mg/L	SM 4500-0 G
8/20/2019 9:10	Field DO		7.5	mg/L	SM 4500-0 G
7/23/2019 11:15	Field DO		98	%	
7/30/2019 9:20	Field DO		86	%	
8/6/2019 9:22	Field DO		88	%	
8/13/2019 9:51	Field DO		88	%	
8/20/2019 9:10	Field DO		86	%	
7/23/2019 11:15	Field Temp		24.2	C	EPA 170.1
7/30/2019 9:20	Field Temp		24.1	C	EPA 170.1
8/6/2019 9:22	Field Temp		22.7	C	EPA 170.1
8/13/2019 9:51	Field Temp		22.7	C	EPA 170.1
8/20/2019 9:10	Field Temp		23.3	C	EPA 170.1
7/23/2019 11:15	Hg	<	0.022	ug/L	EPA245.1
7/30/2019 9:20	Hg	<	0.022	ug/L	EPA245.1
8/6/2019 9:22	Hg	<	0.022	ug/L	EPA245.1
8/13/2019 9:51	Hg	<	0.022	ug/L	EPA245.1
8/20/2019 9:10	Hg	<	0.022	ug/L	EPA245.1

Cuyahoga River  
River Mile 8.60

Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 11:15	K		3512	ug/L	EPA200.8
7/30/2019 9:20	K		4933	ug/L	EPA200.8
8/6/2019 9:22	K		5742	ug/L	EPA200.8
8/13/2019 9:51	K		5078	ug/L	EPA200.8
8/20/2019 9:10	K		3899	ug/L	EPA200.8
8/13/2019 9:51	Mg		14760	ug/L	EPA200.7
7/23/2019 11:15	Mg		8372	ug/L	EPA200.8
7/30/2019 9:20	Mg		13210	ug/L	EPA200.8
8/6/2019 9:22	Mg		14370	ug/L	EPA200.8
8/20/2019 9:10	Mg		11060	ug/L	EPA200.8
7/23/2019 11:15	Mn		175.2	ug/L	EPA200.8
7/30/2019 9:20	Mn		77.15	ug/L	EPA200.8
8/6/2019 9:22	Mn		44.15	ug/L	EPA200.8
8/13/2019 9:51	Mn		64.45	ug/L	EPA200.8
8/20/2019 9:10	Mn		69.4	ug/L	EPA200.8
7/23/2019 11:15	Mo		2.555	ug/L	EPA200.8
7/30/2019 9:20	Mo		3.675	ug/L	EPA200.8
8/6/2019 9:22	Mo		3.562	ug/L	EPA200.8
8/13/2019 9:51	Mo		5.635	ug/L	EPA200.8
8/20/2019 9:10	Mo		2.758	ug/L	EPA200.8
7/23/2019 11:15	Na		51860	ug/L	EPA200.8
7/30/2019 9:20	Na		75540	ug/L	EPA200.8
8/6/2019 9:22	Na		80210	ug/L	EPA200.8
8/13/2019 9:51	Na		70910	ug/L	EPA200.8
8/20/2019 9:10	Na		60140	ug/L	EPA200.8
7/23/2019 11:15	NH3	j	0.028	mg/L	EPA350.1
7/30/2019 9:20	NH3	j	0.039	mg/L	EPA350.1
8/6/2019 9:22	NH3	j	0.026	mg/L	EPA350.1
8/13/2019 9:51	NH3	<	0.02	mg/L	EPA350.1
8/20/2019 9:10	NH3	j	0.02	mg/L	EPA350.1
7/23/2019 11:15	Ni		5.984	ug/L	EPA200.8
7/30/2019 9:20	Ni		4.664	ug/L	EPA200.8
8/6/2019 9:22	Ni	j	3.681	ug/L	EPA200.8
8/13/2019 9:51	Ni	j	3.557	ug/L	EPA200.8
8/20/2019 9:10	Ni	j	3.627	ug/L	EPA200.8
7/23/2019 11:15	NO3-NO2		1.578	mg/L	EPA353.2
7/30/2019 9:20	NO3-NO2		4.441	mg/L	EPA353.2

Cuyahoga River River Mile 8.60					
Sample Date	Parameter	Code	Result	Units	Method
8/6/2019 9:22	NO3-NO2		5.565	mg/L	EPA353.2
8/13/2019 9:51	NO3-NO2		4.624	mg/L	EPA353.2
8/20/2019 9:10	NO3-NO2		2.368	mg/L	EPA353.2
7/23/2019 11:15	Pb		6.17	ug/L	EPA200.8
7/30/2019 9:20	Pb		1.833	ug/L	EPA200.8
8/6/2019 9:22	Pb	j	0.517	ug/L	EPA200.8
8/13/2019 9:51	Pb		1.11	ug/L	EPA200.8
8/20/2019 9:10	Pb		1.756	ug/L	EPA200.8
7/23/2019 11:15	pH		7.8	S.U.	
7/30/2019 9:20	pH		7.7	S.U.	
8/6/2019 9:22	pH		7.5	S.U.	
8/13/2019 9:51	pH		7.5	S.U.	
8/20/2019 9:10	pH		7.7	S.U.	
7/23/2019 11:15	Sb	<	0.377	ug/L	EPA200.8
7/30/2019 9:20	Sb	<	0.944	ug/L	EPA200.8
8/6/2019 9:22	Sb	<	0.944	ug/L	EPA200.8
8/13/2019 9:51	Sb	<	0.944	ug/L	EPA200.8
8/20/2019 9:10	Sb	<	0.944	ug/L	EPA200.8
7/23/2019 11:15	Se	<	0.571	ug/L	EPA200.8
7/30/2019 9:20	Se	<	0.808	ug/L	EPA200.8
8/6/2019 9:22	Se	<	0.808	ug/L	EPA200.8
8/20/2019 9:10	Se	j	0.965	ug/L	EPA200.8
7/23/2019 11:15	Sn	<	2.444	ug/L	EPA200.8
7/30/2019 9:20	Sn	<	11.92	ug/L	EPA200.8
8/6/2019 9:22	Sn	<	11.92	ug/L	EPA200.8
8/13/2019 9:51	Sn	<	11.92	ug/L	EPA200.8
8/20/2019 9:10	Sn	<	11.92	ug/L	EPA200.8
7/23/2019 11:15	Sr		200.392	ug/L	EPA200.8
7/30/2019 9:20	Sr		231.404	ug/L	EPA200.8
8/6/2019 9:22	Sr		243.803	ug/L	EPA200.8
8/13/2019 9:51	Sr		234.13	ug/L	EPA200.8
8/20/2019 9:10	Sr		218.341	ug/L	EPA200.8
7/23/2019 11:15	TDS		344	mg/L	SM2540 C
7/30/2019 9:20	TDS		500	mg/L	SM2540 C
8/6/2019 9:22	TDS		570	mg/L	SM2540 C
8/13/2019 9:51	TDS		522	mg/L	SM2540 C
8/20/2019 9:10	TDS		424	mg/L	SM2540 C
7/23/2019 11:15	Ti		19.8	ug/L	EPA200.8



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Sample Date	Parameter	Code	Result	Units	Method
7/30/2019 9:20	Ti		7.986	ug/L	EPA200.8
8/6/2019 9:22	Ti		2.881	ug/L	EPA200.8
8/13/2019 9:51	Ti		4.845	ug/L	EPA200.8
8/20/2019 9:10	Ti		6.301	ug/L	EPA200.8
7/23/2019 11:15	TKN		1.056	mg/L	EPA351.2
7/30/2019 9:20	TKN		0.872	mg/L	EPA351.2
8/6/2019 9:22	TKN		0.718	mg/L	EPA351.2
8/13/2019 9:51	TKN		0.658	mg/L	EPA351.2
8/20/2019 9:10	TKN		0.828	mg/L	EPA351.2
7/23/2019 11:15	TI	<	0.1	ug/L	EPA200.8
7/30/2019 9:20	TI	<	0.18	ug/L	EPA200.8
8/6/2019 9:22	TI	<	0.18	ug/L	EPA200.8
8/13/2019 9:51	TI	<	0.18	ug/L	EPA200.8
8/20/2019 9:10	TI	<	0.18	ug/L	EPA200.8
7/23/2019 11:15	TMET		41.6	ug/L	EPA200.8
7/30/2019 9:20	TMET		23.6	ug/L	EPA200.8
8/6/2019 9:22	TMET		14.1	ug/L	EPA200.8
8/13/2019 9:51	TMET		16.9	ug/L	EPA200.8
8/20/2019 9:10	TMET		19.8	ug/L	EPA200.8
7/23/2019 11:15	Total-P		0.18	mg/L	EPA365.1
7/30/2019 9:20	Total-P		0.134	mg/L	EPA365.1
8/6/2019 9:22	Total-P		0.162	mg/L	EPA365.1
8/13/2019 9:51	Total-P		0.127	mg/L	EPA365.1
8/20/2019 9:10	Total-P		0.12	mg/L	EPA365.1
7/23/2019 11:15	TS		486	mg/L	SM2540 B
7/30/2019 9:20	TS		590	mg/L	SM2540 B
8/6/2019 9:22	TS		644	mg/L	SM2540 B
8/13/2019 9:51	TS		604	mg/L	SM2540 B
8/20/2019 9:10	TS		476	mg/L	SM2540 B
7/23/2019 11:15	TSS		94	mg/L	SM2540 D
7/30/2019 9:20	TSS		33.8	mg/L	SM2540 D
8/6/2019 9:22	TSS		9	mg/L	SM2540 D
8/13/2019 9:51	TSS		19.1	mg/L	SM2540 D
8/20/2019 9:10	TSS		32.2	mg/L	SM2540 D
7/23/2019 11:15	Turbidity		76.2	NTU	EPA180.1
7/30/2019 9:20	Turbidity		13.15	NTU	EPA180.1
8/6/2019 9:22	Turbidity		16.4	NTU	EPA180.1
8/13/2019 9:51	Turbidity		16.4	NTU	EPA180.1
8/20/2019 9:10	Turbidity		23	NTU	EPA180.1

Cuyahoga River  
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Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 11:15	V	j	2.904	ug/L	EPA200.8
7/30/2019 9:20	V	j	1.308	ug/L	EPA200.8
8/6/2019 9:22	V	<	0.47	ug/L	EPA200.8
8/13/2019 9:51	V	j	0.596	ug/L	EPA200.8
8/20/2019 9:10	V	j	0.842	ug/L	EPA200.8
7/23/2019 11:15	Zn		25.48	ug/L	EPA200.8
7/30/2019 9:20	Zn		12.82	ug/L	EPA200.8
8/6/2019 9:22	Zn	j	7.26	ug/L	EPA200.8
8/13/2019 9:51	Zn	j	9.091	ug/L	EPA200.8
8/20/2019 9:10	Zn		11.19	ug/L	EPA200.8

Cuyahoga River River Mile 7.00					
Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 9:20	*CaCO3		221	mg/LCaCO3	EPA200.7
7/23/2019 11:45	*CaCO3		134	mg/LCaCO3	EPA200.8
7/30/2019 8:55	*CaCO3		205	mg/LCaCO3	EPA200.8
8/6/2019 8:50	*CaCO3		218	mg/LCaCO3	EPA200.8
8/20/2019 8:50	*CaCO3		158	mg/LCaCO3	EPA200.8
7/23/2019 11:45	Ag	<	0.059	ug/L	EPA200.8
7/30/2019 8:55	Ag	<	0.142	ug/L	EPA200.8
8/6/2019 8:50	Ag	<	0.142	ug/L	EPA200.8
8/13/2019 9:20	Ag	<	0.142	ug/L	EPA200.8
8/20/2019 8:50	Ag	<	0.142	ug/L	EPA200.8
7/23/2019 11:45	Al		1487	ug/L	EPA200.7
7/30/2019 8:55	Al		232.2	ug/L	EPA200.8
8/6/2019 8:50	Al		98.01	ug/L	EPA200.8
8/13/2019 9:20	Al		147.6	ug/L	EPA200.8
8/20/2019 8:50	Al		366.4	ug/L	EPA200.8
7/23/2019 11:45	Alkalinity		114.7	mg/LCaCO3	EPA310.2
7/30/2019 8:55	Alkalinity		140.3	mg/LCaCO3	EPA310.2
8/6/2019 8:50	Alkalinity		137.4	mg/LCaCO3	EPA310.2
8/13/2019 9:20	Alkalinity		141.3	mg/LCaCO3	EPA310.2
8/20/2019 8:50	Alkalinity		123.1	mg/LCaCO3	EPA310.2
7/23/2019 11:45	As	j	3.857	ug/L	EPA200.8
7/30/2019 8:55	As	j	2.167	ug/L	EPA200.8
8/6/2019 8:50	As	j	2.21	ug/L	EPA200.8
8/13/2019 9:20	As	j	2.316	ug/L	EPA200.8
7/23/2019 11:45	Ba		39.77	ug/L	EPA200.8
7/30/2019 8:55	Ba		39.64	ug/L	EPA200.8
8/6/2019 8:50	Ba		40.9	ug/L	EPA200.8
8/13/2019 9:20	Ba		41.62	ug/L	EPA200.8
8/20/2019 8:50	Ba		37.02	ug/L	EPA200.8
7/23/2019 11:45	Be	<	0.071	ug/L	EPA200.8
7/30/2019 8:55	Be	<	0.094	ug/L	EPA200.8
8/6/2019 8:50	Be	<	0.094	ug/L	EPA200.8
8/13/2019 9:20	Be	<	0.094	ug/L	EPA200.8
8/20/2019 8:50	Be	<	0.094	ug/L	EPA200.8
7/23/2019 11:45	BOD	<	2	mg/L	SM5210 B
8/13/2019 9:20	BOD		2.3	mg/L	SM5210 B
8/20/2019 8:50	BOD		3.4	mg/L	SM5210 B

Cuyahoga River  
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Sample Date	Parameter	Code	Result	Units	Method
8/13/2019 9:20	Ca		63870	ug/L	EPA200.7
7/23/2019 11:45	Ca		40180	ug/L	EPA200.8
7/30/2019 8:55	Ca		58840	ug/L	EPA200.8
8/6/2019 8:50	Ca		63200	ug/L	EPA200.8
8/13/2019 9:20	Ca		58780	ug/L	EPA200.8
8/20/2019 8:50	Ca		45320	ug/L	EPA200.8
7/23/2019 11:45	Cd	j	0.094	ug/L	EPA200.8
7/30/2019 8:55	Cd	<	0.086	ug/L	EPA200.8
8/6/2019 8:50	Cd	<	0.086	ug/L	EPA200.8
8/13/2019 9:20	Cd	<	0.086	ug/L	EPA200.8
8/20/2019 8:50	Cd	<	0.086	ug/L	EPA200.8
7/23/2019 11:45	Chloride		81.5	mg/L	EPA300.0
7/30/2019 8:55	Chloride	~	137.5	mg/L	EPA300.0
8/6/2019 8:50	Chloride		143.4	mg/L	EPA300.0
8/13/2019 9:20	Chloride		132.2	mg/L	EPA300.0
8/20/2019 8:50	Chloride		107.2	mg/L	EPA300.0
7/23/2019 11:45	Co		1.508	ug/L	EPA200.8
7/30/2019 8:55	Co	j	0.623	ug/L	EPA200.8
8/6/2019 8:50	Co	j	0.452	ug/L	EPA200.8
8/13/2019 9:20	Co	j	0.49	ug/L	EPA200.8
8/20/2019 8:50	Co	j	0.641	ug/L	EPA200.8
7/23/2019 11:45	COD		39	mg/L	EPA410.4
7/30/2019 8:55	COD	j	17.2	mg/L	EPA410.4
8/6/2019 8:50	COD	j	18.8	mg/L	EPA410.4
8/13/2019 9:20	COD		21.9	mg/L	EPA410.4
8/20/2019 8:50	COD		21.2	mg/L	EPA410.4
7/23/2019 11:45	Conduct	HT	586.7	uS/cm	SM2510 B
7/30/2019 8:55	Conduct		901.8	uS/cm	SM2510 B
8/6/2019 8:50	Conduct		932.5	uS/cm	SM2510 B
8/13/2019 9:20	Conduct		865.1	uS/cm	SM2510 B
8/20/2019 8:50	Conduct		716.1	uS/cm	SM2510 B
7/23/2019 11:45	Cr	j	2.412	ug/L	EPA200.8
7/30/2019 8:55	Cr	j	0.71	ug/L	EPA200.8
8/6/2019 8:50	Cr	<	0.616	ug/L	EPA200.8
8/13/2019 9:20	Cr	j	0.652	ug/L	EPA200.8
8/20/2019 8:50	Cr	j	0.949	ug/L	EPA200.8
7/23/2019 11:45	Cu		6.574	ug/L	EPA200.8

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Sample Date	Parameter	Code	Result	Units	Method
7/30/2019 8:55	Cu		5.854	ug/L	EPA200.8
8/6/2019 8:50	Cu		3.418	ug/L	EPA200.8
8/13/2019 9:20	Cu		3.335	ug/L	EPA200.8
8/20/2019 8:50	Cu		4.172	ug/L	EPA200.8
7/23/2019 11:45	DRPhos		0.051	mg/L	EPA365.1
7/30/2019 8:55	DRPhos		0.077	mg/L	EPA365.1
8/6/2019 8:50	DRPhos		0.136	mg/L	EPA365.1
8/13/2019 9:20	DRPhos		0.079	mg/L	EPA365.1
8/20/2019 8:50	DRPhos		0.06	mg/L	EPA365.1
7/23/2019 11:45	E. coli		2920	MPN/100 mL	SM9223 Colilert
7/30/2019 8:55	E. coli		848	MPN/100 mL	SM9223 Colilert
8/6/2019 8:50	E. coli		81	MPN/100 mL	SM9223 Colilert
8/13/2019 9:20	E. coli		179	MPN/100 mL	SM9223 Colilert
8/20/2019 8:50	E. coli		546	MPN/100 mL	SM9223 Colilert
7/23/2019 11:45	Fe		3150	ug/L	EPA200.8
7/30/2019 8:55	Fe		886.3	ug/L	EPA200.8
8/6/2019 8:50	Fe		583.6	ug/L	EPA200.8
8/13/2019 9:20	Fe		697.8	ug/L	EPA200.8
8/20/2019 8:50	Fe		1133	ug/L	EPA200.8
7/23/2019 11:45	Field Cond		559	umhos/cm	SM 2510A
7/30/2019 8:55	Field Cond		918	umhos/cm	SM 2510A
8/6/2019 8:50	Field Cond		873	umhos/cm	SM 2510A
8/13/2019 9:20	Field Cond		873	umhos/cm	SM 2510A
8/20/2019 8:50	Field Cond		747	umhos/cm	SM 2510A
7/23/2019 11:45	Field Spec Cond		576	umhos/cm	SM 2510B
7/30/2019 8:55	Field Spec Cond		935	umhos/cm	SM 2510B
8/6/2019 8:50	Field Spec Cond		911	umhos/cm	SM 2510B
8/13/2019 9:20	Field Spec Cond		911	umhos/cm	SM 2510B
8/20/2019 8:50	Field Spec Cond		769	umhos/cm	SM 2510B
7/23/2019 11:45	Field DO		7.9	mg/L	SM 4500-0 G
7/30/2019 8:55	Field DO		7.1	mg/L	SM 4500-0 G
8/6/2019 8:50	Field DO		7.4	mg/L	SM 4500-0 G
8/13/2019 9:20	Field DO		7.4	mg/L	SM 4500-0 G
8/20/2019 8:50	Field DO		7.1	mg/L	SM 4500-0 G
7/23/2019 11:45	Field DO		93	%	
7/30/2019 8:55	Field DO		85	%	
8/6/2019 8:50	Field DO		87	%	
8/13/2019 9:20	Field DO		87	%	
8/20/2019 8:50	Field DO		84	%	

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Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 11:45	Field Temp		23.4	C	EPA 170.1
7/30/2019 8:55	Field Temp		24.1	C	EPA 170.1
8/6/2019 8:50	Field Temp		22.8	C	EPA 170.1
8/13/2019 9:20	Field Temp		22.8	C	EPA 170.1
8/20/2019 8:50	Field Temp		23.6	C	EPA 170.1
7/23/2019 11:45	Hg	<	0.022	ug/L	EPA245.1
7/30/2019 8:55	Hg	<	0.022	ug/L	EPA245.1
8/6/2019 8:50	Hg	<	0.022	ug/L	EPA245.1
8/13/2019 9:20	Hg	<	0.022	ug/L	EPA245.1
8/20/2019 8:50	Hg	<	0.022	ug/L	EPA245.1
7/23/2019 11:45	K		3499	ug/L	EPA200.8
7/30/2019 8:55	K		5748	ug/L	EPA200.8
8/6/2019 8:50	K		6105	ug/L	EPA200.8
8/13/2019 9:20	K		5336	ug/L	EPA200.8
8/20/2019 8:50	K		4021	ug/L	EPA200.8
8/13/2019 9:20	Mg		14850	ug/L	EPA200.7
7/23/2019 11:45	Mg		8187	ug/L	EPA200.8
7/30/2019 8:55	Mg		14190	ug/L	EPA200.8
8/6/2019 8:50	Mg		14520	ug/L	EPA200.8
8/20/2019 8:50	Mg		10880	ug/L	EPA200.8
7/23/2019 11:45	Mn		149.4	ug/L	EPA200.8
7/30/2019 8:55	Mn		57.06	ug/L	EPA200.8
8/6/2019 8:50	Mn		47.85	ug/L	EPA200.8
8/13/2019 9:20	Mn		57.64	ug/L	EPA200.8
8/20/2019 8:50	Mn		61.82	ug/L	EPA200.8
7/23/2019 11:45	Mo		2.62	ug/L	EPA200.8
7/30/2019 8:55	Mo		4.187	ug/L	EPA200.8
8/6/2019 8:50	Mo		3.948	ug/L	EPA200.8
8/13/2019 9:20	Mo		3.384	ug/L	EPA200.8
8/20/2019 8:50	Mo		2.853	ug/L	EPA200.8
7/23/2019 11:45	Na		51590	ug/L	EPA200.8
7/30/2019 8:55	Na		83180	ug/L	EPA200.8
8/6/2019 8:50	Na		87860	ug/L	EPA200.8
8/13/2019 9:20	Na		74440	ug/L	EPA200.8
8/20/2019 8:50	Na		60680	ug/L	EPA200.8
7/23/2019 11:45	NH3	j	0.025	mg/L	EPA350.1
7/30/2019 8:55	NH3		0.043	mg/L	EPA350.1

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Sample Date	Parameter	Code	Result	Units	Method
8/6/2019 8:50	NH3	j	0.03	mg/L	EPA350.1
8/13/2019 9:20	NH3	j	0.028	mg/L	EPA350.1
8/20/2019 8:50	NH3	j	0.037	mg/L	EPA350.1
7/23/2019 11:45	Ni		5.342	ug/L	EPA200.8
7/30/2019 8:55	Ni		4.488	ug/L	EPA200.8
8/6/2019 8:50	Ni		4.092	ug/L	EPA200.8
8/13/2019 9:20	Ni	j	3.852	ug/L	EPA200.8
8/20/2019 8:50	Ni	j	3.885	ug/L	EPA200.8
7/23/2019 11:45	NO2	j	0.019	mg/L	I500-NO2 B/EPA 353.2
7/30/2019 8:55	NO2	j	0.018	mg/L	I500-NO2 B/EPA 353.2
8/6/2019 8:50	NO2	j	0.008	mg/L	I500-NO2 B/EPA 353.2
8/13/2019 9:20	NO2	j	0.014	mg/L	I500-NO2 B/EPA 353.2
8/20/2019 8:50	NO2	HT	0.045	mg/L	I500-NO2 B/EPA 353.2
7/23/2019 11:45	NO3		1.534	mg/L	EPA353.2
7/30/2019 8:55	NO3		5.054	mg/L	EPA353.2
8/6/2019 8:50	NO3		5.945	mg/L	EPA353.2
8/13/2019 9:20	NO3		4.819	mg/L	EPA353.2
8/20/2019 8:50	NO3		2.572	mg/L	EPA353.2
7/23/2019 11:45	NO3+NO2		1.553	mg/L	EPA353.2
7/30/2019 8:55	NO3+NO2		5.072	mg/L	EPA353.2
8/6/2019 8:50	NO3+NO2		5.953	mg/L	EPA353.2
8/13/2019 9:20	NO3+NO2		4.833	mg/L	EPA353.2
8/20/2019 8:50	NO3+NO2		2.617	mg/L	EPA353.2
7/23/2019 11:45	Pb		5.009	ug/L	EPA200.8
7/30/2019 8:55	Pb		1.337	ug/L	EPA200.8
8/6/2019 8:50	Pb	j	0.588	ug/L	EPA200.8
8/13/2019 9:20	Pb	j	0.809	ug/L	EPA200.8
8/20/2019 8:50	Pb		1.57	ug/L	EPA200.8
7/23/2019 11:45	pH		7.6	S.U.	
7/30/2019 8:55	pH		7.4	S.U.	
8/6/2019 8:50	pH		7.6	S.U.	
8/13/2019 9:20	pH		7.6	S.U.	
8/20/2019 8:50	pH		7.7	S.U.	
7/23/2019 11:45	Sb	<	0.377	ug/L	EPA200.8
7/30/2019 8:55	Sb	<	0.944	ug/L	EPA200.8
8/6/2019 8:50	Sb	<	0.944	ug/L	EPA200.8
8/13/2019 9:20	Sb	<	0.944	ug/L	EPA200.8
8/20/2019 8:50	Sb	<	0.944	ug/L	EPA200.8

Cuyahoga River River Mile 7.00					
Sample Date	Parameter	Code	Result	Units	Method
7/23/2019 11:45	Se	<	0.571	ug/L	EPA200.8
7/30/2019 8:55	Se	<	0.808	ug/L	EPA200.8
8/6/2019 8:50	Se	<	0.808	ug/L	EPA200.8
8/13/2019 9:20	Se	j	0.837	ug/L	EPA200.8
8/20/2019 8:50	Se	<	0.808	ug/L	EPA200.8
7/23/2019 11:45	Sn	<	2.444	ug/L	EPA200.8
7/30/2019 8:55	Sn	<	11.92	ug/L	EPA200.8
8/6/2019 8:50	Sn	<	11.92	ug/L	EPA200.8
8/13/2019 9:20	Sn	<	11.92	ug/L	EPA200.8
8/20/2019 8:50	Sn	<	11.92	ug/L	EPA200.8
7/23/2019 11:45	SO4		32.86	mg/L	EPA300.0
7/30/2019 8:55	SO4	~	61.01	mg/L	EPA300.0
8/6/2019 8:50	SO4		62.6	mg/L	EPA300.0
8/13/2019 9:20	SO4		57.3	mg/L	EPA300.0
8/20/2019 8:50	SO4		46.28	mg/L	EPA300.0
7/23/2019 11:45	Sr		196.701	ug/L	EPA200.8
7/30/2019 8:55	Sr		254.761	ug/L	EPA200.8
8/6/2019 8:50	Sr		248.481	ug/L	EPA200.8
8/13/2019 9:20	Sr		241.74	ug/L	EPA200.8
8/20/2019 8:50	Sr		219.99	ug/L	EPA200.8
7/23/2019 11:45	TDS		344	mg/L	SM2540 C
7/30/2019 8:55	TDS		548	mg/L	SM2540 C
8/6/2019 8:50	TDS		584	mg/L	SM2540 C
8/13/2019 9:20	TDS		522	mg/L	SM2540 C
8/20/2019 8:50	TDS		430	mg/L	SM2540 C
7/23/2019 11:45	Ti		16.76	ug/L	EPA200.8
7/30/2019 8:55	Ti		4.905	ug/L	EPA200.8
8/6/2019 8:50	Ti		3.057	ug/L	EPA200.8
8/13/2019 9:20	Ti		3.537	ug/L	EPA200.8
8/20/2019 8:50	Ti		5.92	ug/L	EPA200.8
7/23/2019 11:45	TKN		1.055	mg/L	EPA351.2
7/30/2019 8:55	TKN		0.84	mg/L	EPA351.2
8/6/2019 8:50	TKN		0.741	mg/L	EPA351.2
8/13/2019 9:20	TKN		0.722	mg/L	EPA351.2
8/20/2019 8:50	TKN		0.792	mg/L	EPA351.2
7/23/2019 11:45	TI	<	0.1	ug/L	EPA200.8
7/30/2019 8:55	TI	<	0.18	ug/L	EPA200.8
8/6/2019 8:50	TI	<	0.18	ug/L	EPA200.8
8/13/2019 9:20	TI	<	0.18	ug/L	EPA200.8



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Sample Date	Parameter	Code	Result	Units	Method
8/20/2019 8:50	TI	<	0.18	ug/L	EPA200.8
7/23/2019 11:45	TMET		37	ug/L	EPA200.8
7/30/2019 8:55	TMET		21	ug/L	EPA200.8
8/6/2019 8:50	TMET		15.7	ug/L	EPA200.8
8/13/2019 9:20	TMET		15.3	ug/L	EPA200.8
8/20/2019 8:50	TMET		19.4	ug/L	EPA200.8
7/23/2019 11:45	Total-P		0.154	mg/L	EPA365.1
7/30/2019 8:55	Total-P		0.126	mg/L	EPA365.1
8/6/2019 8:50	Total-P		0.176	mg/L	EPA365.1
8/13/2019 9:20	Total-P		0.124	mg/L	EPA365.1
8/20/2019 8:50	Total-P		0.118	mg/L	EPA365.1
7/23/2019 11:45	TS		490	mg/L	SM2540 B
7/30/2019 8:55	TS		626	mg/L	SM2540 B
8/6/2019 8:50	TS		662	mg/L	SM2540 B
8/13/2019 9:20	TS		586	mg/L	SM2540 B
8/20/2019 8:50	TS		480	mg/L	SM2540 B
7/23/2019 11:45	TSS		91.6	mg/L	SM2540 D
7/30/2019 8:55	TSS		18.5	mg/L	SM2540 D
8/6/2019 8:50	TSS		8.4	mg/L	SM2540 D
8/13/2019 9:20	TSS		13.9	mg/L	SM2540 D
8/20/2019 8:50	TSS		25.4	mg/L	SM2540 D
7/23/2019 11:45	Turbidity		58.8	NTU	EPA180.1
7/30/2019 8:55	Turbidity		8.64	NTU	EPA180.1
8/6/2019 8:50	Turbidity		14	NTU	EPA180.1
8/13/2019 9:20	Turbidity		14	NTU	EPA180.1
8/20/2019 8:50	Turbidity		21.1	NTU	EPA180.1
7/23/2019 11:45	V	j	2.39	ug/L	EPA200.8
7/30/2019 8:55	V	j	1.02	ug/L	EPA200.8
8/6/2019 8:50	V	j	0.59	ug/L	EPA200.8
8/13/2019 9:20	V	<	0.47	ug/L	EPA200.8
8/20/2019 8:50	V	j	0.741	ug/L	EPA200.8
7/23/2019 11:45	Zn		22.7	ug/L	EPA200.8
7/30/2019 8:55	Zn	j	9.898	ug/L	EPA200.8
8/6/2019 8:50	Zn	j	8.222	ug/L	EPA200.8
8/13/2019 9:20	Zn	j	7.506	ug/L	EPA200.8
8/20/2019 8:50	Zn		10.36	ug/L	EPA200.8