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Create a masterpiece.

Stacie Darbey, Coordinator
Environmental Health & Safety
Department of Educational Facilities
835 Hudson Avenue, Building 3
Rochester, New York 14621
stacie.darbey@rcsdk12.org

December 6, 2017

Re: Water Sampling 175 Martin Street (690 St. Paul Street)

Drinking water sampling was conducted on November 20, 2017. All drinking fountains were tested. Water outlet taps that might be used for drinking were also tested. Water outlet taps located in science, art or bathrooms were not tested except for one bathroom outlet tap that had a gooseneck type tap. Water outlets that were not turned on were also not tested.

The samples were delivered to Lozier Environmental Consulting, Inc. for analysis (New York State Approved Environmental Laboratory #11770). The iron, turbidity, pH, conductivity, and chlorine analysis was performed by ALS Environmental New York State Approved Environmental Laboratory #10145).

Three samples were collected from each outlet. The first was analyzed for iron. The second was analyzed for turbidity, pH, conductivity, and chlorine. The third was analyzed for escherichia coliform, total coliform, and heterotrophic plate count.

Sampling & Results

The results of this testing indicate that the water at all locations was bacteriologically potable (safe for drinking) at the time of collection, as defined by the United States Environmental Protection Agency (EPA) National Primary Drinking Water Standards (NPDWS). Escherichia coliform and total coliform were not detected in the any of the samples collected.

The heterotrophic plate count (HPC) measures the range of bacteria that are naturally present in the environment. HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is. The NPDWS limit for standard plate count is 500 bacterial colonies/milliliter. All samples were below this limit.

Iron is a metal that is considered a "secondary contaminant" by the EPA. The EPA has established Secondary National Secondary Drinking Water Regulations that set non-mandatory water quality standards. These contaminants are not considered a health risk to human health, but do effect aesthetic considerations such as taste, color and odor. The Secondary Maximum Contaminate Level for iron is 300 ug/L (microgram/liter). The tap in bathroom 212, the right tap and the left tap in room 107, and the tap in the backroom off of room 107 were all over 300 ug/L.

Noticeable effects over the SMCL for iron are rusty color; sediment; metallic taste; reddish or orange staining. The elevated iron levels are the most likely reason that some of the outlets have water that has a rusty color. Flushing will take place on impacted outlets to improve water quality appearance.

Lead was also tested for starting in July of 2016. One sink outlet in the backroom of 107 was found to exceed the 15 part per billion standard after initial testing. It was replaced and retested. The outlet was below the standard after being replaced. Complete lead testing results are located on the district website at <https://www.rcsdk12.org/Page/46132>.

Turbidity is a principal physical characteristic of water. It is an expression of the optical property of water that causes light to be scattered and absorbed by particles and molecules rather than transmitted in straight lines through a water sample. Turbidity is a measure of the relative clarity of a liquid and is caused by suspended matter or impurities that interfere with the clarity of the water. Typical sources of turbidity in drinking water are high iron concentrations which gives water a rust-red discoloration and air bubbles and particles from the treatment process.

Excessive turbidity or cloudiness in drinking water is aesthetically unappealing. Turbidity can provide food and shelter for pathogens that can pose a health risk to human health. The NPDWS limit for turbidity is 1.0 NTU (Nephelometric Turbidity Units) over a set of samples. Six samples exceeded this standard. All were in sinks and not drinking fountains. The locations were the left tap in room 530, the tap in sink in the middle of the kitchen (This was reported to be used on a limited basis by staff due to a drain issue. This limited use could explain for the slight elevation in turbidity.), the tap in room 225, the right tap and the left tap in room 107, and the tap in the backroom off of room 107.

Reasons for the elevated turbidity levels could include limited use of the outlets. In room 107 and room 107 backroom iron concentrations were elevated. This is the most likely cause of turbidity in those outlets. Flushing will take place at these outlets to reduce turbidity levels.

Chlorine, conductivity, and pH were also sampled for at all outlets. These were all within standards.

Please see the attached documents for complete results and laboratory reports.

If you have any questions, please feel free to contact me.

Stacie Darbey
Coordinator, Environmental Health & Safety

Lab ID	Sample ID	Outlet Type	Location	Sample Date	Iron (ug/L)	Chlorine (mg/L)	Conductivity (uMHOS/cm)	pH	Turbidity (NTU)	Total Coliform Bacteria	Escherichia coli	Heterotrophic Plate Count (CFU/mL)
M21876-01	1A	Left Fountain	Hallway Floor 7	11/20/2017	ND	-	-	-	-	-	-	-
M21876-02	1B	Left Fountain	Hallway Floor 7	11/20/2017	-	ND	120.1	7.85	0.43	-	-	-
M21876-03	1C	Left Fountain	Hallway Floor 7	11/20/2017	-	-	-	-	-	Absent	Negative	66
M21876-04	2A	Right Fountain	Hallway Floor 7	11/20/2017	100	-	-	-	-	-	-	-
M21876-05	2B	Right Fountain	Hallway Floor 7	11/20/2017	-	ND	327	7.81	0.60	-	-	-
M21876-06	2C	Right Fountain	Hallway Floor 7	11/20/2017	-	-	-	-	-	Absent	Negative	58
M21876-07	3A	Left Tap	530 Lounge	11/20/2017	220	-	-	-	-	-	-	-
M21876-08	3B	Left Tap	530 Lounge	11/20/2017	-	ND	323	7.84	1.4	-	-	-
M21876-09	3C	Left Tap	530 Lounge	11/20/2017	-	-	-	-	-	Absent	Negative	82
M21876-10	4A	Right Tap	530 Lounge	11/20/2017	ND	-	-	-	-	-	-	-
M21876-11	4B	Right Tap	530 Lounge	11/20/2017	-	ND	332	7.82	0.52	-	-	-
M21876-12	4C	Right Tap	530 Lounge	11/20/2017	-	-	-	-	-	Absent	Negative	60
M21876-13	5A	Fountain	Hallway Near 504	11/20/2017	ND	-	-	-	-	-	-	-
M21876-14	5B	Fountain	Hallway Near 504	11/20/2017	-	ND	336	7.66	0.21	-	-	-
M21876-15	5C	Fountain	Hallway Near 504	11/20/2017	-	-	-	-	-	Absent	Negative	<1
M21876-16	6A	Fountain	Hallway Near 514	11/20/2017	120	-	-	-	-	-	-	-
M21876-17	6B	Fountain	Hallway Near 514	11/20/2017	-	ND	329	7.88	0.62	-	-	-
M21876-18	6C	Fountain	Hallway Near 514	11/20/2017	-	-	-	-	-	Absent	Negative	289
M21876-19	7A	Fountain	Hallway Near 406	11/20/2017	130	-	-	-	-	-	-	-
M21876-20	7B	Fountain	Hallway Near 406	11/20/2017	-	ND	328	7.79	0.60	-	-	-
M21876-21	7C	Fountain	Hallway Near 406	11/20/2017	-	-	-	-	-	Absent	Negative	212
M21876-22	8A	Fountain	Hallway Near 416	11/20/2017	110	-	-	-	-	-	-	-
M21876-23	8B	Fountain	Hallway Near 416	11/20/2017	-	ND	328	7.82	0.78	-	-	-
M21876-24	8C	Fountain	Hallway Near 416	11/20/2017	-	-	-	-	-	Absent	Negative	195
M21876-25	9A	Tap 1	413 Kitchen Near Windows	11/20/2017	150	-	-	-	-	-	-	-
M21876-26	9B	Tap 1	413 Kitchen Near Windows	11/20/2017	-	ND	327	7.86	0.45	-	-	-
M21876-27	9C	Tap 1	413 Kitchen Near Windows	11/20/2017	-	-	-	-	-	Absent	Negative	4
M21876-28	10A	Tap 2	413 Kitchen	11/20/2017	190	-	-	-	-	-	-	-
M21876-29	10B	Tap 2	413 Kitchen	11/20/2017	-	ND	326	7.88	1.6	-	-	-
M21876-30	10C	Tap 2	413 Kitchen	11/20/2017	-	-	-	-	-	Absent	Negative	104
M21876-31	11A	Fountain	Hallway Near 337	11/20/2017	110	-	-	-	-	-	-	-
M21876-32	11B	Fountain	Hallway Near 337	11/20/2017	-	ND	329	7.93	0.69	-	-	-
M21876-33	11C	Fountain	Hallway Near 337	11/20/2017	-	-	-	-	-	Absent	Negative	<1
M21876-34	12A	Fountain	Hallway Near 314	11/20/2017	ND	-	-	-	-	-	-	-
M21876-35	12B	Fountain	Hallway Near 314	11/20/2017	-	ND	327	7.96	0.30	-	-	-
M21876-36	12C	Fountain	Hallway Near 314	11/20/2017	-	-	-	-	-	Absent	Negative	<1
M21876-37	13A	Tap	232 Classroom	11/20/2017	110	-	-	-	-	-	-	-
M21876-38	13B	Tap	232 Classroom	11/20/2017	-	ND	330	7.98	0.88	-	-	-
M21876-39	13C	Tap	232 Classroom	11/20/2017	-	-	-	-	-	Absent	Negative	147
M21876-40	14A	Fountain	Hallway Near 214	11/20/2017	130	-	-	-	-	-	-	-
M21876-41	14B	Fountain	Hallway Near 214	11/20/2017	-	ND	328	7.63	0.54	-	-	-
M21876-42	14C	Fountain	Hallway Near 214	11/20/2017	-	-	-	-	-	Absent	Negative	<1
M21876-43	15A	Tap Left	212 Bathroom*	11/20/2017	570	-	-	-	-	-	-	-
M21876-44	15B	Tap Left	212 Bathroom*	11/20/2017	-	ND	328	7.79	0.71	-	-	-
M21876-45	15C	Tap Left	212 Bathroom*	11/20/2017	-	-	-	-	-	Absent	Negative	61

Lab ID	Sample ID	Outlet Type	Location	Sample Date	Iron (ug/L)	Chlorine (mg/L)	Conductivity (uMHOS/cm)	pH	Turbidity (NTU)	Total Coliform Bacteria	Escherichia coli	Heterotrophic Plate Count (CFU/mL)
M21876-46	16A	Tap	225 Classroom	11/20/2017	ND	-	-	-	-	-	-	-
M21876-47	16B	Tap	225 Classroom	11/20/2017	-	ND	324	7.89	1.4	-	-	-
M21876-48	16C	Tap	225 Classroom	11/20/2017	-	-	-	-	-	Absent	Negative	8
M21876-49	17A	Tap Left	107 Nurse	11/20/2017	490	-	-	-	-	-	-	-
M21876-50	17B	Tap Left	107 Nurse	11/20/2017	-	ND	322	7.93	7.3	-	-	-
M21876-51	17C	Tap Left	107 Nurse	11/20/2017	-	-	-	-	-	Absent	Negative	123
M21876-52	18A	Tap Right	107 Nurse	11/20/2017	1280	-	-	-	-	-	-	-
M21876-53	18B	Tap Right	107 Nurse	11/20/2017	-	ND	323	7.90	6.5	-	-	-
M21876-54	18C	Tap Right	107 Nurse	11/20/2017	-	-	-	-	-	Absent	Negative	106
M21876-55	19A	Tap	107 Nurse Backroom	11/20/2017	1500	-	-	-	-	-	-	-
M21876-56	19B	Tap	107 Nurse Backroom	11/20/2017	-	ND	324	7.90	9.4	-	-	-
M21876-57	19C	Tap	107 Nurse Backroom	11/20/2017	-	-	-	-	-	Absent	Negative	157
M21876-58	20A	Fountain Left	Hallway Near 119	11/20/2017	ND	-	-	-	-	-	-	-
M21876-59	20B	Fountain Left	Hallway Near 119	11/20/2017	-	ND	324	7.91	1.4	-	-	-
M21876-60	20C	Fountain Left	Hallway Near 119	11/20/2017	-	-	-	-	-	Absent	Negative	11
M21876-61	21A	Fountain Right	Hallway Near 119	11/20/2017	ND	-	-	-	-	-	-	-
M21876-62	21B	Fountain Right	Hallway Near 119	11/20/2017	-	ND	331	7.92	0.76	-	-	-
M21876-63	21C	Fountain Right	Hallway Near 119	11/20/2017	-	-	-	-	-	Absent	Negative	11
M21876-64	22A	Tap	121 Classroom	11/20/2017	ND	-	-	-	-	-	-	-
M21876-65	22B	Tap	121 Classroom	11/20/2017	-	ND	348	7.77	0.51	-	-	-
M21876-66	22C	Tap	121 Classroom	11/20/2017	-	-	-	-	-	Absent	Negative	78
M21876-67	23A	Tap	124 Classroom	11/20/2017	ND	-	-	-	-	-	-	-
M21876-68	23B	Tap	124 Classroom	11/20/2017	-	ND	341	7.70	0.46	-	-	-
M21876-69	23C	Tap	124 Classroom	11/20/2017	-	-	-	-	-	Absent	Negative	106

*Only sinks that should be used for drinking water were tested. The bathroom sink (212) was tested because the outlet was a gooseneck style and could be used to fill a water bottle.

December 4, 2017

Ms. Stacey Darbie
Rochester City Schools
835 Hudson Ave. Bldg #3
Rochester, New York 14621

Re: Water Tests (Iron, Turbidity, Conductivity, Chlorine Residual, and pH)

Dear Ms. Darbey:

Enclosed are the results for the water tests submitted on November 20, 2017. The tests were performed at ALS Environmental, NYS ELAP# 10145.

If you have any questions or concerns regarding this information please contact me at 1-585-654-9080.

Sincerely,



Barry VanNostran
Microbiology Technical Director



2011 East Main Street, Rochester, New York 14609
Phone: 585-654-9080 Fax (585) 654-9662
www.LozierEnv.com
ELAP #11770

Client: Rochester City Schools
835 Hudson Ave. Bldg #3
Rochester, NY 14621

Date Received: 11/20/2017
Laboratory No.: M21876
Sample Date: 11/20/2017
Sample Time: 06:06-08:05
Report Date: 12/4/2017

Attn: Stacie Darbey

Page: 1 of 1

SAMPLE INFORMATION

Sampled by: Stacie Darbey

Matrix: Potable Water
Analyte(s): Total Coliform, E. coli,
Heterotrophic Plate Count

LABORATORY REPORT

Laboratory ID	Sample Description	Parameter	Method No.	Result	Units	Analysis Date	Analysis Time
M21876-3	1C - LF HA FLR 7	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	66	CFU/mL	11/20/2017	15:05
M21876-6	2C - RF HA FLR 7	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	58	CFU/mL	11/20/2017	15:05
M21876-9	3C - LT 530 Lounge	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	82	CFU/mL	11/20/2017	15:05
M21876-12	4C - RT 530 Lounge	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	60	CFU/mL	11/20/2017	15:05
M21876-15	5C - F HA NR 504	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	<1	CFU/mL	11/20/2017	15:05

Absent = Total Coliform Bacteria not detected. Present = Total Coliform Bacteria detected.

Negative = *E.coli* not detected. Positive = *E.coli* detected.

CFU/mL = colony forming units per milliliter

EPA Action Level HPC = 500CFU/mL

Chain of Custody in following pages

Analytical results relate only to the samples received and analyzed.

Approved By: 
Barry VanNostran, Technical Director



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Report Date: 12/4/2017

Attn: Stacie Darbey

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SAMPLE INFORMATION

Sampled by: Stacie Darbey

Matrix: Potable Water
Analyte(s): Total Coliform, E. coli,
Heterotrophic Plate Count

LABORATORY REPORT

Laboratory ID	Sample Description	Parameter	Method No.	Result	Units	Analysis Date	Analysis Time
M21876-18	6C - F HA NR 514	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	289	CFU/mL	11/20/2017	15:05
M21876-21	7C - F HA NR 406	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	212	CFU/mL	11/20/2017	15:05
M21876-24	8C - F HA NR 416	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	195	CFU/mL	11/20/2017	15:05
M21876-27	9C - T1 413 Kit	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	4	CFU/mL	11/20/2017	15:05
M21876-30	10C - T2 413 Kit	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	104	CFU/mL	11/20/2017	15:05

Absent = Total Coliform Bacteria not detected. Present = Total Coliform Bacteria detected.

Negative = *E.coli* not detected. Positive = *E.coli* detected.

CFU/mL = colony forming units per milliliter

EPA Action Level HPC = 500CFU/mL

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Attn: Stacie Darbey

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SAMPLE INFORMATION

Sampled by: Stacie Darbey

Matrix: Potable Water
Analyte(s): Total Coliform, E. coli,
Heterotrophic Plate Count

LABORATORY REPORT

Laboratory ID	Sample Description	Parameter	Method No.	Result	Units	Analysis Date	Analysis Time
M21876-33	11C - F HA NR 337	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	<1	CFU/mL	11/20/2017	15:05
M21876-36	12C - F HA NR 314	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	<1	CFU/mL	11/20/2017	15:05
M21876-39	13C - T 223 CR	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	147	CFU/mL	11/20/2017	15:05
M21876-42	14C - F HA NR 214	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	<1	CFU/mL	11/20/2017	15:05
M21876-45	15C - TL 212 BR	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	61	CFU/mL	11/20/2017	15:05

Absent = Total Coliform Bacteria not detected. Present = Total Coliform Bacteria detected.

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CFU/mL = colony forming units per milliliter

EPA Action Level HPC = 500CFU/mL

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SAMPLE INFORMATION

Sampled by: Stacie Darbey

Matrix: Potable Water
Analyte(s): Total Coliform, E. coli,
Heterotrophic Plate Count

LABORATORY REPORT

Laboratory ID	Sample Description	Parameter	Method No.	Result	Units	Analysis Date	Analysis Time
M21876-48	16C - T 225 CR	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	8	CFU/mL	11/20/2017	15:05
M21876-51	17C - TL 107 Nurse	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	123	CFU/mL	11/20/2017	15:05
M21876-54	18C - TR 107 Nurse	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	106	CFU/mL	11/20/2017	15:05
M21876-57	19C - T 107 Nurse Back Room	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	157	CFU/mL	11/20/2017	15:05
M21876-60	20C - FL HA NR 119	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	11	CFU/mL	11/20/2017	15:05

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Date Received: 11/20/2017
Laboratory No.: M21876
Sample Date: 11/20/2017
Sample Time: 06:06-08:05
Report Date: 12/4/2017

Attn: Stacie Darbey

Page: 1 of 1

SAMPLE INFORMATION

Sampled by: Stacie Darbey

Matrix: Potable Water
Analyte(s): Total Coliform, E. coli,
Heterotrophic Plate Count

LABORATORY REPORT

Laboratory ID	Sample Description	Parameter	Method No.	Result	Units	Analysis Date	Analysis Time
M21876-63	21C - FR HA NR 119	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	11	CFU/mL	11/20/2017	15:05
M21876-66	22C - T 121 CR	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	78	CFU/mL	11/20/2017	15:05
M21876-69	23C - T 124 CR	Total Coliform Bacteria	SM 18-22 9223B (-97)	Absent		11/20/2017	14:35
		<i>Escherichia coli</i>	SM 18-22 9223B (-97)	Negative		11/20/2017	14:35
		Heterotrophic Plate Count	SM 18-22 9215B (-00)	106	CFU/mL	11/20/2017	15:05

Absent = Total Coliform Bacteria not detected. Present = Total Coliform Bacteria detected.

Negative = *E.coli* not detected. Positive = *E.coli* detected.

CFU/mL = colony forming units per milliliter

EPA Action Level HPC = 500CFU/mL

Chain of Custody in following pages

Analytical results relate only to the samples received and analyzed.

Approved By: 
Barry VanNostran, Technical Director



Lozier
Environmental Consulting, Inc.

REPORT TO:		INVOICE TO:	
Company:	Rochester City Schools Attn: Stacie Darbey	Company:	SAVE
Address:	835 Hudson Ave Bldg #3	Address:	
City/State Zip:	Rochester NY 14629	City/State Zip:	
Phone:	(585) 330-4005	Phone:	
Fax:		Fax:	
E-Mail:	stacie.darbey@rsd.k12.ny.gov	Purchase Order #:	

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	Heterotrophic Plate Count	Turbidity	pH	Conductivity	Iron	Chlorine Residual
M21874-1A-LF	HA FLR 7	11/20/17	0606		P								X	
-21B-LF	HA FLR 7		0606							X		X		X
-31C-LF	HA FLR 7		0613						X			X		
-42A-RF	HA FLR 7		0607								X		X	
-52B-RF	HA FLR 7		0607							X		X		X
-62C-RF	HA FLR 7		0613						X					
-73A-LT	530 LUNGE		0617										X	
-83B-LT	530 LUNGE		0617							X		X		X
-93C-LT	530 LUNGE		0619						X					
-104A-RF	530 LUNGE		0617										X	

Container Type (Circle One): Plastic ☒ Glass ☐ Sterile ☐ Other _____
Delivery (Circle One): Client Drop-Off ☒ Courier (Tracking # _____)

SAMPLED BY*: Stacie Darbey
RELINQUISHED BY*: Stacie Darbey
RECEIVED BY*: Stacie Darbey
RELINQUISHED BY*: Stacie Darbey
RECEIVED BY*: Stacie Darbey
RELINQUISHED BY*: Stacie Darbey
RECEIVED BY*: Stacie Darbey
RELINQUISHED BY*: Stacie Darbey

DATE: 11/20/17 TIME: 1240
DATE: 11/20/17 TIME: 1240
DATE: 11/20/17 TIME: 1240
DATE: 11/20/17 TIME: 1240
DATE: 11/20/17 TIME: 1240
DATE: 11/20/17 TIME: 1240
DATE: 11/20/17 TIME: 1240
DATE: 11/20/17 TIME: 1240

FOR LAB USE ONLY	
PRESERVATIVE: Hg2S2O5	FOR POTABLE WATER ONLY:
TOTAL NUMBER OF CONTAINERS: 10	COLIFORM BACTERIA:
CUSTODY SEAL INTACT? YES NO	Present Absent
SAMPLE ON ICE? YES NO	If Present, Date Client is contacted with result:
TEMPERATURE: 6-18 C	Date: _____
SAMPLE IN COMPLIANCE: YES NO	Contacted By: _____
BOTTLE SUPPLIED BY CLIENT: YES NO	



Web: LozierEnv.com

E-Mail: LozierEnv@aol.com

Page 2 of 7

REPORT TO:		INVOICE TO:	
Company:	Rochester City Schools	Company:	
Address:		Address:	
City, State Zip:		City, State Zip:	
Phone:	Fax:	Phone:	Fax:
E-Mail:		Purchase Order #:	
Other:			

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS							
									TC/E. coli	Heterotrophic Plate Count	Turbidity	pH	Conductivity	Iron	Chlorine Resid Val	
2816-11	4B-RT 530 LOUNGE	11/20/07	0617		P					X		X				X
-12	4C-RT 530 LOUNGE		0619					X	X							
-13	5A-F HA NR 504		0625									X				
-14	5B-F HA NR 504		0625							X			X			X
-15	5C-F HA NR 504		0628					X	X							
-16	6A-F HA NR 514		0629												X	
-17	6B-F HA NR 514		0629									X				X
-18	6C-F HA NR 514		0632					X	X							
-19	7A-F HA NR 406		0637												X	
-20	7B-F HA NR 406		0637							X		X				X

Delivery (Circle One): Client Drop-Off Courier (Tracking # _____)

SAMPLED BY:	Steve Parker	DATE:	11/20/17	TIME:	1240
RELINQUISHED BY:	SHD Aubrey	DATE:	11/20/17	TIME:	1240
RECEIVED BY:		DATE:		TIME:	
RELINQUISHED BY:		DATE:		TIME:	
RECEIVED BY:		DATE:		TIME:	
RELINQUISHED BY:		DATE:		TIME:	
RECEIVED BY:		DATE:		TIME:	

The above signatories hereby authorize subcontracting of samples as required for laboratory analysis

FOR LAB USE ONLY	
PRESERVATIVE: <u>Na2S2O3</u>	FOR POTABLE WATER ONLY:
TOTAL NUMBER OF CONTAINERS: <u>69</u>	COLIFORM BACTERIA:
CUSTODY SEAL INTACT? YES <u>(NO)</u>	Present Absent
SAMPLE ON ICE? YES <u>(YES)</u> NO	If Present, Date Client is
TEMPERATURE: <u>6-18</u> C	contacted with result:
SAMPLE IN COMPLIANCE: YES <u>(YES)</u> NO <u>(NO)</u>	Date: _____
BOTTLE SUPPLIED BY CLIENT: YES <u>(NO)</u>	Contacted By: _____

CONFIDENTIAL INFORMATION

GF 11/26/17



2011 East Main Street, Rochester, NY 14609
Web: LozierEnv.com

Phone (585) 654-9080 Fax (585) 654-9662
E-Mail: LozierEnv@aol.com

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REPORT TO:		INVOICE TO:	
Company:	Rochester City Schools	Company:	
Address:		Address:	
City/State/Zip:		City/State/Zip:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		Purchase Order #:	

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS					
M218710-21 TC-F	1A NR 410	11/20/17	0640		P			TC/E.coli						
-22 BA-F	1A NR 410		0643					Heterotrophic Plate Count						
-23 BA-F	1A NR 410		0643											
-24 BA-F	1A NR 410		0646											
-25 BA-F	1A NR 410		0647					Mixing - hot water						
-26 BA-F	1A NR 410		0647											
-27 BA-F	1A NR 410		0650											
-28 BA-F	1A NR 410		0653											
-29 BA-F	1A NR 410		0653											
-30 BA-F	1A NR 410		0657											

Container Type (Circle One): Plastic Glass Sterile Other

Delivery (Circle One): Client Drop-Off / Courier (Tracking #)

SAMPLED BY*: [Signature]	DATE: 11/20/17	TIME: 1240
RELINQUISHED BY*: [Signature]	DATE: 11/20/17	TIME: 1240
RECEIVED BY*: [Signature]	DATE: 11/20/17	TIME: 1240
RELINQUISHED BY*: [Signature]	DATE: 11/20/17	TIME: 1240
RECEIVED BY*: [Signature]	DATE: 11/20/17	TIME: 1240
RELINQUISHED BY*: [Signature]	DATE: 11/20/17	TIME: 1240
RECEIVED BY*: [Signature]	DATE: 11/20/17	TIME: 1240
RELINQUISHED BY*: [Signature]	DATE: 11/20/17	TIME: 1240

FOR LAB USE ONLY

PRESERVATIVE: NaOCl	FOR POTABLE WATER ONLY:
TOTAL NUMBER OF CONTAINERS: 69	COLIFORM BACTERIA:
CUSTODY SEAL INTACT? YES NO	Present Absent
SAMPLE ON ICE? YES NO	If Present, Date Client is contacted with result:
TEMPERATURE: 6-18C	Date: 11/20/17
SAMPLE IN COMPLIANCE: YES NO	Contacted By: [Signature]
BOTTLE SUPPLIED BY CLIENT: YES NO	

CONFIDENTIAL INFORMATION



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Web: LozierEnv.com

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E-Mail: LozierEnv@aol.com

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REPORT TO:		INVOICE TO:	
Company:	Rochester City Schools	Company:	
Address:		Address:	
City/State/Zip:		City/State/Zip:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		Purchase Order #:	

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS				
M2870-311A-F	HA NR 337	11/20/2017	0702		P								
-311B-F	HA NR 337		0702										
-311C-F	HA NR 337		0705										
-3112A-F	HA NR 314		0707										
-3112B-F	HA NR 314		0707										
-3112C-F	HA NR 314		0710										
-3113A-T	232 CR		0718										
-3113B-T	232 CR		0718										
-3113C-T	223 CR		0721										
-3114A-F	HA NR 214		0721										

Container Type (Circle One): Plastic Glass Sterile Other

Delivery (Circle One): Client Drop-Off / Courier (Tracking #)

SAMPLED BY:	Shane Davely	DATE:	11/20/17	TIME:	1240
RELINQUISHED BY:	Shane Davely	DATE:	11/20/17	TIME:	1240
RECEIVED BY:		DATE:		TIME:	
RELINQUISHED BY:		DATE:		TIME:	
RECEIVED BY:		DATE:		TIME:	
RELINQUISHED BY:		DATE:		TIME:	

FOR LAB USE ONLY		FOR POTABLE WATER ONLY:	
PRESERVATIVE:	M&S-20	COLIFORM BACTERIA:	
TOTAL NUMBER OF CONTAINERS:	64	Present Absent	
CUSTODY SEAL INTACT?	YES NO	If Present, Date Client is contacted with result:	
SAMPLE ON ICE?	YES NO	Date:	
TEMPERATURE:	6-18 C	Contacted By:	
SAMPLE IN COMPLIANCE:	YES NO		
BOTTLE SUPPLIED BY CLIENT:	YES NO		

CONFIDENTIAL INFORMATION

GF 11/20/17

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LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS				
									TC/E.coli	Heterotrophic Plate Count	Turbidity	pH	Conductivity
072871-41	14B-F 14A NR 214	11/20/2017	0721		P				X	X	X		X
-42 14C-F	14A NR 214		0725					X	X				
-43 15A-TL	212 BR		0726										
-44 15B-TL	212 BR		0726							X	X		X
-45 15C-TL	212 BR		0729							X			
-46 16A-T	225 CR		0731									X	
-47 16B-T	225 CR		0731							X	X		
-48 16C-T	225 CR		0734					X	X				
-49 17A-TL	107-NURSE		0741										X
-50 17B-TL	107 NURSE		0741							X	X		X

Delivery (Circle One): Client Drop-Off / Courier (Tracking #

Gf "1/2017



2011 East Main Street, Rochester, NY 14609
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Phone (585) 654-9080 Fax (585) 654-9662
E-Mail: LozierEnv@aol.com

Page 6 of 7

REPORT TO:		INVOICE TO:	
Company:	Rochester City Schools	Company:	
Address:		Address:	
City/State/Zip:		City/State/Zip:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		Purchase Order #:	

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	REQUESTED ANALYSIS					
M21876-S1	7C-TL 107 NURSE	11/20/17	0746		P								
-S11BA	-TR 107 NURSE		0741										
-S31BB	-TR 107 NURSE		0742										
-S11BC	-TR 107 NURSE		0746										
-S51QA	-T 107 NURSE BROKEN		0746										
-S11QB	-T 107 NURSE BROKEN		0746										
-S11QC	-T 107 NURSE BROKEN		0749										
-S61DA	-FL 144 NR 119		0750										
-S61DB	-FL 144 NR 119		0750										
-W120C	-FL 144 NR 119		0753										

Container Type (Circle One): Plastic Glass Sterile Other

Delivery (Circle One): Client Drop-Off / Courier (Tracking #)

SAMPLED BY:	JACOB DAVENY	DATE:	11/20/17	TIME:	1240
RELINQUISHED BY:	JACOB DAVENY	DATE:	11/20/17	TIME:	1240
RECEIVED BY:		DATE:		TIME:	
RELINQUISHED BY:		DATE:		TIME:	
RECEIVED BY:		DATE:		TIME:	
RELINQUISHED BY:		DATE:		TIME:	
RECEIVED BY:		DATE:		TIME:	
RELINQUISHED BY:		DATE:		TIME:	

FOR LAB USE ONLY		FOR POTABLE WATER ONLY:	
PRESERVATIVE:	ALCOHOL	TOTAL NUMBER OF CONTAINERS:	60
CUSTODY SEAL INTACT?	YES	NO	
SAMPLE ON ICE?	YES	NO	
TEMPERATURE:	4°C		
SAMPLE IN COMPLIANCE:	YES	NO	
BOTTLE SUPPLIED BY CLIENT:	YES	NO	
CONFIDENTIAL INFORMATION		Contacted By: GF 11/20/17	



Web: oziereny.com

E-Mail: LozierEnv@aol.com

Page 7 of 7

Environmental Consulting, Inc.	
LAB ID: <u>M26874</u>	
PROJECT NAME:	
TURNAROUND TIME: Standard Rush	
Other:	
REPORT TO:	
Company: <u>Rochester City Schools</u>	Company:
Address:	Address:
City, State Zip:	City, State Zip:
Phone: Fax:	Phone: Fax:
E-Mail:	Purchase Order #:

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS						
									Heterotrophic Plate Count	Turbidity	pH	Conductivity	Iron	Chlorine Residual	
m2187v-121A - FR	HA NIR 119	11/20/2017	0750		P			TCE.coli					X		X
-121B - FR	HA NIR 119		0750							X					X
-121C - FR	HA NIR 119		0753					X		X					
-121D - T	121 CR		0758								X			X	
-121E - T	121 CR		0758									X			X
-121F - T	121 CR		0801					X		X					
-121G - T	121 CR		0802									X			
-121H - T	121 CR		0802							X					X
-121I - T	121 CR		0805					X		X					
-121J - T	121 CR										X				
-121K - T	121 CR											X			
-121L - T	121 CR												X		
-121M - T	121 CR													X	
-121N - T	121 CR														X
-121O - T	121 CR														
-121P - T	121 CR														
-121Q - T	121 CR														
-121R - T	121 CR														
-121S - T	121 CR														
-121T - T	121 CR														
-121U - T	121 CR														
-121V - T	121 CR														
-121W - T	121 CR														
-121X - T	121 CR														
-121Y - T	121 CR														
-121Z - T	121 CR														
-121AA - T	121 CR														
-121AB - T	121 CR														
-121AC - T	121 CR														
-121AD - T	121 CR														
-121AE - T	121 CR														
-121AF - T	121 CR														
-121AG - T	121 CR														
-121AH - T	121 CR														
-121AI - T	121 CR														
-121AJ - T	121 CR														
-121AK - T	121 CR														
-121AL - T	121 CR														
-121AM - T	121 CR														
-121AN - T	121 CR														
-121AO - T	121 CR														
-121AP - T	121 CR														
-121AQ - T	121 CR														
-121AR - T	121 CR														
-121AS - T	121 CR														
-121AT - T	121 CR														
-121AU - T	121 CR														
-121AV - T	121 CR														
-121AW - T	121 CR														
-121AX - T	121 CR														
-121AY - T	121 CR														
-121AZ - T	121 CR														
-121BA - T	121 CR														
-121BB - T	121 CR														
-121BC - T	121 CR														
-121BD - T	121 CR														
-121BE - T	121 CR														
-121BF - T	121 CR														
-121BG - T	121 CR														
-121BH - T	121 CR														
-121BI - T	121 CR														
-121BJ - T	121 CR														
-121BK - T	121 CR														
-121BL - T	121 CR														
-121BM - T	121 CR														
-121BN - T	121 CR														
-121BO - T	121 CR														
-121BP - T	121 CR														
-121BQ - T	121 CR														
-121BR - T	121 CR														
-121BS - T	121 CR														
-121BT - T	121 CR														
-121BU - T	121 CR														
-121BV - T	121 CR														
-121BW - T	121 CR														
-121BX - T	121 CR														
-121BY - T	121 CR														
-121BZ - T	121 CR														
-121CA - T	121 CR														
-121CB - T	121 CR														
-121CC - T	121 CR														
-121CD - T	121 CR														
-121CE - T	121 CR														
-121CF - T	121 CR														
-121CG - T	121 CR														
-121CH - T	121 CR														
-121CI - T	121 CR														
-121CJ - T	121 CR														
-121CK - T	121 CR														
-121CL - T	121 CR														
-121CM - T	121 CR														
-121CN - T	121 CR														
-121CO - T	121 CR														
-121CP - T	121 CR														
-121CQ - T	121 CR														
-121CR - T	121 CR														
-121CS - T	121 CR														
-121CT - T	121 CR														
-121CU - T	121 CR														
-121CV - T	121 CR														
-121CW - T	121 CR														
-121CX - T	121 CR														
-121CY - T	121 CR														
-121CZ - T	121 CR														
-121DA - T	121 CR														
-121DB - T	121 CR														
-121DC - T	121 CR														
-121DD - T	121 CR														
-121DE - T	121 CR														
-121DF - T	121 CR														
-121DG - T	121 CR														
-121DH - T	121 CR														
-121DI - T	121 CR														
-121DJ - T	121 CR														
-121DK - T	121 CR														
-121DL - T	121 CR														
-121DM - T	121 CR														
-121DN - T	121 CR														
-121DO - T	121 CR														
-121DP - T	121 CR														
-121DQ - T	121 CR														
-121DR - T	121 CR														
-121DS - T	121 CR														
-121DT - T	121 CR														
-121DU - T	121 CR														
-121DV - T	121 CR														
-121DW - T	121 CR														
-121DX - T	121 CR														
-121DY - T	121 CR														
-121DZ - T	121 CR														
-121EA - T	121 CR														
-121EB - T	121 CR														
-121EC - T	121 CR														
-121ED - T	121 CR														
-121EE - T	121 CR														
-121EF - T	121 CR														
-121EG - T	121 CR														
-121EH - T	121 CR														
-121EI - T	121 CR														
-121EJ - T	121 CR														
-121EK - T	121 CR														
-121EL - T	121 CR														
-121EM - T	121 CR														
-121EN - T	121 CR														
-121EO - T	121 CR														
-121EP - T	121 CR														
-121EQ - T	121 CR														
-121ER - T	121 CR														
-121ES - T	121 CR														
-121ET - T	121 CR														
-121EU - T	121 CR														

Container Type (Circle One): Plastic Glass Sterile Other _____

Delivery (Circle One): Client Drop-Off / Courier (Tracking #

SAMPLED BY*: <i>Shane Dancy</i>	DATE: <i>11/20/17</i>	TIME: <i>1240</i>
RELINQUISHED BY*:	DATE:	TIME:
RECEIVED BY: <i>[Signature]</i>	DATE: <i>11/20/17</i>	TIME: <i>1240</i>
RELINQUISHED BY*:	DATE:	TIME:
RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY*:	DATE:	TIME:
RECEIVED BY:	DATE:	TIME:

The above signatures hereby authorize subcontracting of samples as required for laboratory analysis

FOR LAB USE ONLY		FOR POTABLE WATER ONLY:	
PRESERVATIVE:	<u>Nit25-203</u>	COLIFORM BACTERIA:	
TOTAL NUMBER OF CONTAINERS:	<u>69</u>	Present	Absent
CUSTODY SEAL INTACT?	YES <input checked="" type="radio"/> NO <input type="radio"/>	If Present, Date Client is	
SAMPLE ON ICE?	YES <input checked="" type="radio"/> NO <input type="radio"/>	contacted with result:	
TEMPERATURE:	<u>6-18°C</u>	Date:	_____
SAMPLE IN COMPLIANCE:	YES <input checked="" type="radio"/> NO <input type="radio"/>	Contacted By:	_____
BOTTLE SUPPLIED BY CLIENT:	YES <input checked="" type="radio"/> NO <input type="radio"/>		

CONFIDENTIAL INFORMATION

GF 11/26/17



December 01, 2017

Service Request No:R1711053

Mr. Barry Vannostran
Lozier Environmental Consulting, Incorporated
2011 East Main Street
Rochester, NY 14609

Laboratory Results for: M21876

Dear Mr.Vannostran,

Enclosed are the results of the sample(s) submitted to our laboratory November 20, 2017
For your reference, these analyses have been assigned our service request number **R1711053**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Lisa.Reyes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Lisa Reyes
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.

dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Lozier Environmental Consulting, Incorporated
Project: M21876
Sample Matrix: Drinking Water

Service Request: R1711053
Date Received: 11/20/2017

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier I data deliverables. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Fourty six drinking water samples were received for analysis at ALS Environmental on 11/20/2017. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. Residual Chlorine was not performed in the field as recommended by the EPA to meet an "immediate" or 15 minute Holding Time. Samples analyzed in the laboratory have been flagged with an "H" to indicate the "immediate" holding time has been exceeded.

pH was not performed in the field as recommended by the EPA to meet an "immediate" or 15 minute Holding Time. In addition, pH is a temperature dependent analysis. The temperature of the sample during pH measurement is included as required by the method. Samples analyzed in the laboratory have been flagged with an "H" to indicate the "immediate" holding time has been exceeded.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

Method SM 4500-Cl F 3.a.4: One or more samples were received with insufficient hold time remaining to complete the analysis within the recommended limit. The analysis was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time violation.

Approved by

A handwritten signature in black ink, appearing to read "J. Reyes".

Date

12/01/2017

SAMPLE DETECTION SUMMARY

CLIENT ID: M21876-2		Lab ID: R1711053-002				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	329				uMHOS/c	120.1
pH	7.85				pH Units	SM 4500-H+
Temperature of pH Analysis	18.3				deg C	SM 4500-H+
Turbidity	0.43		0.06	0.10	NTU	180.1
CLIENT ID: M21876-4		Lab ID: R1711053-003				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	100		60	100	ug/L	200.7
CLIENT ID: M21876-5		Lab ID: R1711053-004				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	327				uMHOS/c	120.1
pH	7.81				pH Units	SM 4500-H+
Temperature of pH Analysis	18.1				deg C	SM 4500-H+
Turbidity	0.60		0.06	0.10	NTU	180.1
CLIENT ID: M21876-7		Lab ID: R1711053-005				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	220		60	100	ug/L	200.7
CLIENT ID: M21876-8		Lab ID: R1711053-006				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	323				uMHOS/c	120.1
pH	7.84				pH Units	SM 4500-H+
Temperature of pH Analysis	18.5				deg C	SM 4500-H+
Turbidity	1.4		0.06	0.10	NTU	180.1
CLIENT ID: M21876-11		Lab ID: R1711053-008				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	332				uMHOS/c	120.1
pH	7.82				pH Units	SM 4500-H+
Temperature of pH Analysis	18.1				deg C	SM 4500-H+
Turbidity	0.52		0.06	0.10	NTU	180.1
CLIENT ID: M21876-14		Lab ID: R1711053-010				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	336				uMHOS/c	120.1
pH	7.66				pH Units	SM 4500-H+
Temperature of pH Analysis	18.2				deg C	SM 4500-H+
Turbidity	0.21		0.06	0.10	NTU	180.1
CLIENT ID: M21876-16		Lab ID: R1711053-011				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	120		60	100	ug/L	200.7

SAMPLE DETECTION SUMMARY

CLIENT ID: M21876-17		Lab ID: R1711053-012				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	329				uMHOS/c	120.1
pH	7.88				pH Units	SM 4500-H+
Temperature of pH Analysis	18.6				deg C	SM 4500-H+
Turbidity	0.62		0.06	0.10	NTU	180.1
CLIENT ID: M21876-19		Lab ID: R1711053-013				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	130		60	100	ug/L	200.7
CLIENT ID: M21876-20		Lab ID: R1711053-014				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	328				uMHOS/c	120.1
pH	7.79				pH Units	SM 4500-H+
Temperature of pH Analysis	18.3				deg C	SM 4500-H+
Turbidity	0.60		0.06	0.10	NTU	180.1
CLIENT ID: M21876-22		Lab ID: R1711053-015				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	110		60	100	ug/L	200.7
CLIENT ID: M21876-23		Lab ID: R1711053-016				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	328				uMHOS/c	120.1
pH	7.82				pH Units	SM 4500-H+
Temperature of pH Analysis	18.3				deg C	SM 4500-H+
Turbidity	0.78		0.06	0.10	NTU	180.1
CLIENT ID: M21876-25		Lab ID: R1711053-017				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	150		60	100	ug/L	200.7
CLIENT ID: M21876-26		Lab ID: R1711053-018				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	327				uMHOS/c	120.1
pH	7.86				pH Units	SM 4500-H+
Temperature of pH Analysis	18.4				deg C	SM 4500-H+
Turbidity	0.45		0.06	0.10	NTU	180.1
CLIENT ID: M21876-28		Lab ID: R1711053-019				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	190		60	100	ug/L	200.7
CLIENT ID: M21876-29		Lab ID: R1711053-020				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	326				uMHOS/c	120.1

SAMPLE DETECTION SUMMARY

CLIENT ID: M21876-29		Lab ID: R1711053-020				
Analyte	Results	Flag	MDL	PQL	Units	Method
pH	7.88				pH Units	SM 4500-H+
Temperature of pH Analysis	18.4				deg C	SM 4500-H+
Turbidity	1.6		0.06	0.10	NTU	180.1
CLIENT ID: M21876-31		Lab ID: R1711053-021				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	110		60	100	ug/L	200.7
CLIENT ID: M21876-32		Lab ID: R1711053-022				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	329				uMHOS/c	120.1
pH	7.93				pH Units	SM 4500-H+
Temperature of pH Analysis	18.3				deg C	SM 4500-H+
Turbidity	0.69		0.06	0.10	NTU	180.1
CLIENT ID: M21876-35		Lab ID: R1711053-024				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	327				uMHOS/c	120.1
pH	7.96				pH Units	SM 4500-H+
Temperature of pH Analysis	18.4				deg C	SM 4500-H+
Turbidity	0.30		0.06	0.10	NTU	180.1
CLIENT ID: M21876-37		Lab ID: R1711053-025				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	110		60	100	ug/L	200.7
CLIENT ID: M21876-38		Lab ID: R1711053-026				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	330				uMHOS/c	120.1
pH	7.98				pH Units	SM 4500-H+
Temperature of pH Analysis	18.5				deg C	SM 4500-H+
Turbidity	0.88		0.06	0.10	NTU	180.1
CLIENT ID: M21876-40		Lab ID: R1711053-027				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	130		60	100	ug/L	200.7
CLIENT ID: M21876-41		Lab ID: R1711053-028				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	328				uMHOS/c	120.1
pH	7.63				pH Units	SM 4500-H+
Temperature of pH Analysis	18.7				deg C	SM 4500-H+
Turbidity	0.54		0.06	0.10	NTU	180.1

SAMPLE DETECTION SUMMARY

CLIENT ID: M21876-43		Lab ID: R1711053-029				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	570		60	100	ug/L	200.7
CLIENT ID: M21876-44		Lab ID: R1711053-030				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	328				uMHOS/c	120.1
pH	7.79				pH Units	SM 4500-H+
Temperature of pH Analysis	18.4				deg C	SM 4500-H+
Turbidity	0.71		0.06	0.10	NTU	180.1
CLIENT ID: M21876-47		Lab ID: R1711053-032				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	324				uMHOS/c	120.1
pH	7.89				pH Units	SM 4500-H+
Temperature of pH Analysis	18.7				deg C	SM 4500-H+
Turbidity	1.4		0.06	0.10	NTU	180.1
CLIENT ID: M21876-49		Lab ID: R1711053-033				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	490		60	100	ug/L	200.7
CLIENT ID: M21876-50		Lab ID: R1711053-034				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	322				uMHOS/c	120.1
pH	7.93				pH Units	SM 4500-H+
Temperature of pH Analysis	18.6				deg C	SM 4500-H+
Turbidity	7.3		0.06	0.10	NTU	180.1
CLIENT ID: M21876-52		Lab ID: R1711053-035				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	1280		60	100	ug/L	200.7
CLIENT ID: M21876-53		Lab ID: R1711053-036				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	323				uMHOS/c	120.1
pH	7.90				pH Units	SM 4500-H+
Temperature of pH Analysis	18.2				deg C	SM 4500-H+
Turbidity	6.5		0.06	0.10	NTU	180.1
CLIENT ID: M21876-55		Lab ID: R1711053-037				
Analyte	Results	Flag	MDL	PQL	Units	Method
Iron, Total	1500		60	100	ug/L	200.7
CLIENT ID: M21876-56		Lab ID: R1711053-038				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	324				uMHOS/c	120.1

SAMPLE DETECTION SUMMARY

CLIENT ID: M21876-56		Lab ID: R1711053-038				
Analyte	Results	Flag	MDL	PQL	Units	Method
pH	7.90				pH Units	SM 4500-H+
Temperature of pH Analysis	18.8				deg C	SM 4500-H+
Turbidity	9.4		0.06	0.10	NTU	180.1
CLIENT ID: M21876-59		Lab ID: R1711053-040				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	324				uMHOS/c	120.1
pH	7.91				pH Units	SM 4500-H+
Temperature of pH Analysis	18.4				deg C	SM 4500-H+
Turbidity	1.4		0.06	0.10	NTU	180.1
CLIENT ID: M21876-62		Lab ID: R1711053-042				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	331				uMHOS/c	120.1
pH	7.92				pH Units	SM 4500-H+
Temperature of pH Analysis	18.2				deg C	SM 4500-H+
Turbidity	0.76		0.06	0.10	NTU	180.1
CLIENT ID: M21876-65		Lab ID: R1711053-044				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	348				uMHOS/c	120.1
pH	7.77				pH Units	SM 4500-H+
Temperature of pH Analysis	18.7				deg C	SM 4500-H+
Turbidity	0.51		0.06	0.10	NTU	180.1
CLIENT ID: M21876-68		Lab ID: R1711053-046				
Analyte	Results	Flag	MDL	PQL	Units	Method
Conductivity at 25 Degrees Celsius	341				uMHOS/c	120.1
pH	7.70				pH Units	SM 4500-H+
Temperature of pH Analysis	19.1				deg C	SM 4500-H+
Turbidity	0.46		0.06	0.10	NTU	180.1



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1711053-001	M21876-1	11/20/2017	0606
R1711053-002	M21876-2	11/20/2017	0606
R1711053-003	M21876-4	11/20/2017	0606
R1711053-004	M21876-5	11/20/2017	0606
R1711053-005	M21876-7	11/20/2017	0606
R1711053-006	M21876-8	11/20/2017	0606
R1711053-007	M21876-10	11/20/2017	0606
R1711053-008	M21876-11	11/20/2017	0606
R1711053-009	M21876-13	11/20/2017	0606
R1711053-010	M21876-14	11/20/2017	0606
R1711053-011	M21876-16	11/20/2017	0629
R1711053-012	M21876-17	11/20/2017	0629
R1711053-013	M21876-19	11/20/2017	0629
R1711053-014	M21876-20	11/20/2017	0629
R1711053-015	M21876-22	11/20/2017	0629
R1711053-016	M21876-23	11/20/2017	0629
R1711053-017	M21876-25	11/20/2017	0629
R1711053-018	M21876-26	11/20/2017	0629
R1711053-019	M21876-28	11/20/2017	0629
R1711053-020	M21876-29	11/20/2017	0629
R1711053-021	M21876-31	11/20/2017	0702
R1711053-022	M21876-32	11/20/2017	0702
R1711053-023	M21876-34	11/20/2017	0702
R1711053-024	M21876-35	11/20/2017	0702
R1711053-025	M21876-37	11/20/2017	0702
R1711053-026	M21876-38	11/20/2017	0702
R1711053-027	M21876-40	11/20/2017	0702
R1711053-028	M21876-41	11/20/2017	0702
R1711053-029	M21876-43	11/20/2017	0702
R1711053-030	M21876-44	11/20/2017	0702
R1711053-031	M21876-46	11/20/2017	0731
R1711053-032	M21876-47	11/20/2017	0731
R1711053-033	M21876-49	11/20/2017	0731
R1711053-034	M21876-50	11/20/2017	0731
R1711053-035	M21876-52	11/20/2017	0731
R1711053-036	M21876-53	11/20/2017	0731
R1711053-037	M21876-55	11/20/2017	0731
R1711053-038	M21876-56	11/20/2017	0731
R1711053-039	M21876-58	11/20/2017	0731
R1711053-040	M21876-59	11/20/2017	0731
R1711053-041	M21876-61	11/20/2017	0750
R1711053-042	M21876-62	11/20/2017	0750

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request:R1711053

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1711053-043	M21876-64	11/20/2017	0750
R1711053-044	M21876-65	11/20/2017	0750
R1711053-045	M21876-67	11/20/2017	0750
R1711053-046	M21876-68	11/20/2017	0802



REPORT TO:		INVOICE TO:	
Company:	Lozier Env. Consulting	Company:	
Address:	2011 East Main Street	Address:	
City, State Zip:	Rochester NY 14609	City, State Zip:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		Purchase Order #:	

LAB ID: M21876	PROJECT NAME: RCSD
TURNAROUND TIME: Standard Rush	Other:

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS				
									Turbidity	pH	Conductivity	Chlorine	Iron
M21876-1	1A-LF HA FLR 7	11/20/17	0606		P								✓
-2	1B-✓✓✓✓								✓	✓	✓	✓	
-4	2A-RF HA FLR 7												✓
-5	2B-RF ✓✓✓								✓	✓	✓	✓	
-7	3A-LT 530 Lounge												✓
-8	3B-✓✓✓								✓	✓	✓	✓	
-10	4A-RT 530 Lounge												✓
-11	4B-✓✓✓								✓	✓	✓	✓	
-13	5A-F HA NR 504												✓
✓ -14	5B-✓✓✓✓	✓	✓		✓				✓	✓	✓	✓	

Container Type (Circle One): Plastic Glass Sterile Other _____

Delivery (Circle One): Client Drop-Off / Courier (Tracking # _____)

SAMPLED BY*:	DATE: 11/20/17	TIME: 1604
RELINQUISHED BY*:	DATE: 11/20/17	TIME: 16:04
RECEIVED BY*:	DATE:	TIME:
RELINQUISHED BY*:	DATE:	TIME:
RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY*:	DATE:	TIME:
RECEIVED BY:	DATE:	TIME:

*The above signatures hereby authorize subcontracting of samples as required for laboratory analysis

ORIGINAL - LAB COPY YELLOW - CUSTOMER COPY PINK - SAMPLER COPY 12 of 89

FOR LAB USE ONLY	
PRESERVATIVE: _____	FOR POTABLE WATER ONLY:
TOTAL NUMBER OF CONTAINERS: _____	COLIFORM BACTERIA:
CUSTODY SEAL INTACT? YES NO	Present Absent
SAMPLE ON ICE? YES NO	If Present, Date Client is
TEMPERATURE: _____ C	contacted with result:
SAMPLE IN COMPLIANCE: YE	R1711053 5
BOTTLE SUPPLIED BY CLIENT:	Lozier Environmental Consulting, Incorporated
	M21876

CONFIDENT



REPORT TO:		INVOICE TO:	
Company: <u>Lozier Env. Consulting</u>		Company:	
Address:		Address:	
City, State Zip:		City, State Zip:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		Purchase Order #:	

LAB ID: <u>M21876</u>	PROJECT NAME: <u>RCSD</u>
TURNAROUND TIME: <u>Standard</u> <u>Rush</u>	Other:

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS					
									Turbidity	pH	Conductivity	Chlorine	Iron	
M21876-16	6A - F HA NR 514	11/20/17	0629		P								✓	
-17	6B - ✓ ✓ ✓ ✓								✓	✓	✓	✓		
-19	7A - F HA NR 406												✓	
-20	7B - ✓ ✓ ✓ ✓								✓	✓	✓	✓		
-22	8A - F HA NR 416												✓	
-23	8B - ✓ ✓ ✓ ✓								✓	✓	✓	✓		
-25	9A - T1 413 KIT												✓	
-26	9B - ✓ ✓ ✓								✓	✓	✓	✓		
-28	10A - T2 413 KIT												✓	
✓ -29	10B - ✓ ✓ ✓	✓	✓		✓				✓	✓	✓	✓		

Container Type (Circle One): Plastic Glass Sterile Other _____

Delivery (Circle One): Client Drop-Off / Courier (Tracking # _____)

SAMPLED BY*: _____		
RELINQUISHED BY*: _____	DATE: <u>11/20/17</u>	TIME: <u>1604</u>
RECEIVED BY*: _____	DATE: <u>11-20-17</u>	TIME: <u>16:04</u>
RELINQUISHED BY*: _____	DATE: _____	TIME: _____
RECEIVED BY: _____	DATE: _____	TIME: _____
RELINQUISHED BY*: _____	DATE: _____	TIME: _____
RECEIVED BY: _____	DATE: _____	TIME: _____

*The above signatures hereby authorize subcontracting of samples as required for laboratory analysis

ORIGINAL - LAB COPY YELLOW - CUSTOMER COPY PINK - SAMPLER COPY 13 of 89

FOR LAB USE ONLY	
PRESERVATIVE: _____	FOR POTABLE WATER ONLY:
TOTAL NUMBER OF CONTAINERS: _____	COLIFORM BACTERIA:
CUSTODY SEAL INTACT? YES NO	Present Absent
SAMPLE ON ICE? YES NO	If Present, Date Client is
TEMPERATURE: _____ C	
SAMPLE IN COMPLIANCE: YES NO	
BOTTLE SUPPLIED BY CLIENT: YES NO	

R1711053
Lozier Environmental Consulting, Incorporated
M21876
5
CONFIDENTIAL INFOR:



REPORT TO:		INVOICE TO:	
Company:	Lozier Env. Consulting	Company:	
Address:		Address:	
City, State Zip:		City, State Zip:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		Purchase Order #:	

LAB ID (Lat Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS					
									Turbidity	pH	Conductivity	Chlorine	Iron	
M21876-31	11A - F H A N R 337	11/20/17	0702		P								✓	
-32	11B - ✓ ✓ ✓ ✓								✓	✓	✓	✓		
-34	12A - F H A N R 314												✓	
-35	12B - ✓ ✓ ✓ ✓								✓	✓	✓	✓		
-37	13A - T 232 CR												✓	
-38	13B - ✓ ✓ ✓								✓	✓	✓	✓		
-40	14A - F H A N R 214												✓	
-41	14B - ✓ ✓ ✓ ✓								✓	✓	✓	✓		
-43	15A - T L 212 BR												✓	
✓ -44	15B - ✓ ✓ ✓								✓	✓	✓	✓		

Container Type (Circle One): Plastic Glass Sterile Other _____

Delivery (Circle One): Client Drop-Off / Courier (Tracking # _____)

SAMPLED BY*: _____

RELINQUISHED BY*: _____	DATE: 11/20/17	TIME: 1604
RECEIVED BY*: _____	DATE: 11-20-17	TIME: 16:04
RELINQUISHED BY*: _____	DATE: _____	TIME: _____
RECEIVED BY: _____	DATE: _____	TIME: _____
RELINQUISHED BY*: _____	DATE: _____	TIME: _____
RECEIVED BY: _____	DATE: _____	TIME: _____

*The above signatures hereby authorize subcontracting of samples as required for laboratory analysis

ORIGINAL - LAB COPY YELLOW - CUSTOMER COPY PINK - SAMPLER COPY 14 of 89

FOR LAB USE ONLY	
PRESERVATIVE: _____	FOR POTABLE WATER ONLY:
TOTAL NUMBER OF CONTAINERS: _____	COLIFORM BACTERIA:
CUSTODY SEAL INTACT? YES NO	Present Absent
SAMPLE ON ICE? YES NO	If Present, Date Client is
TEMPERATURE: _____ C	
SAMPLE IN COMPLIANCE: YES NO	
BOTTLE SUPPLIED BY CLIENT: YES N	

R1711053
Lozier Environmental Consulting, Incorporated
M21876



CONFIDENTIAL INFO. ...



REPORT TO:		INVOICE TO:	
Company:	Lozier Env. Consulting	Company:	
Address:		Address:	
City, State Zip:		City, State Zip:	
Phone:	Fax:	Phone:	Fax:
Other:	E-Mail:	Purchase Order #:	

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS					
									Turbidity	pH	Conductivity	Chlorine	Iron	
M21876-46	16A - T 225 CR	11/20/17	0731		P								✓	
-47	16B - ✓ ✓ ✓								✓	✓	✓	✓		
-49	17A - TL 107 Nurse												✓	
-50	17B - ✓ ✓ ✓								✓	✓	✓	✓		
-52	18A - TR 107 Nurse												✓	
-53	18B - ✓ ✓ ✓								✓	✓	✓	✓		
-55	19A - T 107 Nurse Back RM												✓	
-56	19B - ✓ ✓ ✓ ✓ ✓								✓	✓	✓	✓		
-58	20A - FL HA NR 119												✓	
✓ -59	20B - ✓ ✓ ✓ ✓ ✓								✓	✓	✓	✓		

Container Type (Circle One) Plastic Glass Sterile Other _____

Delivery (Circle One): Client Drop-Off / Courier (Tracking # _____)

SAMPLED BY*: _____

RELINQUISHED BY*: _____

RECEIVED BY*: _____

RELINQUISHED BY*: _____

RECEIVED BY*: _____

RELINQUISHED BY*: _____

RECEIVED BY*: _____

DATE: 11/20/17 TIME: 1604

DATE: 11-20-17 TIME: 16:04

DATE: TIME:

DATE: TIME:

DATE: TIME:

DATE: TIME:

*The above signatures hereby authorize subcontracting of samples as required for laboratory analysis

ORIGINAL - LAB COPY YELLOW - CUSTOMER COPY PINK - SAMPLER COPY 15 of 89

FOR LAB USE ONLY	
PRESERVATIVE: _____	FOR POTABLE WATER ONLY:
TOTAL NUMBER OF CONTAINERS: _____	COLIFORM BACTERIA:
CUSTODY SEAL INTACT? YES NO	Present Absent
SAMPLE ON ICE? YES NO	If Present, Date Client is
TEMPERATURE: _____ C	contacted with --
SAMPLE IN COMPLIANCE: YES NO	
BOTTLE SUPPLIED BY CLIENT: YES NO	

R1711053
Lozier Environmental Consulting, Incorporated
M21876
5
CONFIDENTIAL INFORMATION



REPORT TO:		INVOICE TO:	
Company:	Lozier Env. Consulting	Company:	
Address:		Address:	
City, State Zip:		City, State Zip:	
Phone:	Fax:	Phone:	Fax:
Other:	E-Mail:	Purchase Order #:	

LAB ID (Lab Use Only)	SAMPLE DESCRIPTION / LOCATION	DATE	TIME	AIR	WATER: P=Potable NP=Non-Potable	SOIL / SOLID	WIPE / SWAB / TAPE LIFT	SAMPLE COMMENTS	REQUESTED ANALYSIS					
									Turbidity	pH	Conductivity	Chlorine	Iron	
M21876-61	21A - FR HA NR 119	11/20/17	0750		P								✓	
-62	21B - ✓ ✓ ✓ ✓								✓	✓	✓	✓		
-64	22A - T 121 CR												✓	
-65	22B - ✓ ✓ ✓								✓	✓	✓	✓		
-67	23A - T 124 CR												✓	
-68	23B - ✓ ✓ ✓		0802						✓	✓	✓	✓		

Container Type (Circle One): Plastic Glass Sterile Other _____

Delivery (Circle One): Client Drop-Off / Courier (Tracking # _____)

SAMPLED BY*:		DATE: 11/20/17	TIME: 1604
RELINQUISHED BY*:		DATE: 11/20/17	TIME: 16:04
RECEIVED BY*:		DATE:	TIME:
REINQUISHED BY*:		DATE:	TIME:
RECEIVED BY:		DATE:	TIME:
RELINQUISHED BY*:		DATE:	TIME:
RECEIVED BY:		DATE:	TIME:

*The above signatures hereby authorize subcontracting of samples as required for laboratory analysis

ORIGINAL - LAB COPY YELLOW - CUSTOMER COPY PINK - SAMPLER COPY 16 of 89

FOR LAB USE ONLY	
PRESERVATIVE: _____	FOR POTABLE WATER ONLY:
TOTAL NUMBER OF CONTAINERS: _____	COLIFORM BACTERIA:
CUSTODY SEAL INTACT? YES NO	Present Absent
SAMPLE ON ICE? YES NO	If Present, Date Client is
TEMPERATURE: _____ C	contacted with result:
SAMPLE IN COMPLIANCE: YES	
BOTTLE SUPPLIED BY CLIENT: YE	

R1711053
Lozier Environmental Consulting, Incorporated
M21876

CONFIDENTIAL





Cooler Receipt and Preservation Check Form

R1711053
 Lozier Environmental Consulting, Incorporated
 M21876

Project/Client Lozier Folder Number _____Cooler received on 11-20-17 by: HE COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>N</u>
2	Custody papers properly completed (ink, signed)?	Y <u>N</u>
3	Did all bottles arrive in good condition (unbroken)?	Y <u>N</u>
4	Circle: Wet Ice Dry Ice <u>Gel packs</u> present?	Y <u>N</u>

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y N <u>NA</u>
6	Where did the bottles originate?	ALS/ROC <u>CLIENT</u>
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 11-20-17 Time: 16:07 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>15.1</u>	<u>16.7</u>					
Correction Factor (°C)	<u>0</u>	<u>0</u>					
Corrected Temp (°C)	<u>15.1</u>	<u>16.7</u>					
Temp from: Type of bottle							
Within 0-6°C?	Y <u>N</u>	Y <u>N</u>	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by HE on 11-20-17 at 16:09
 5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/21/17 Time: 1325 by: TS

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
 10. Did all bottle labels and tags agree with custody papers? YES NO
 11. Were correct containers used for the tests indicated? YES NO
 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
 13. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated NA

pH	Lot of test paper	Reagent	Preserved?	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
			Yes No						
≥12		NaOH							
≤2	<u>216913</u>	HNO ₃	<u>Y</u>	<u>none</u>		<u>all added</u>	<u>iml</u>	<u>BPG26159E</u>	<u><2</u>
≤2		H ₂ SO ₄							
<4		NaHSO ₄							
Residual Chlorine (-)		For CN Phenol and 522		If +, contact PM to add Na ₂ S ₂ O ₃ (CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	- -						
		ZnAcetate	- -						
		HCl	** **						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: Client

Explain all Discrepancies/ Other Comments:

<u>CLRES</u>	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
<u>PH</u>	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: _____

PC Secondary Review: HE

P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r15.doc

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

17 of 89

10/11/17



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% (25% for CLP) difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (×100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-1
Lab Code: R1711053-001
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
200.7

Extracted/Digested By
KMCLAEN

Analyzed By
NMANSEN

Sample Name: M21876-2
Lab Code: R1711053-002
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
120.1
180.1
SM 4500-Cl F 3.a.4
SM 4500-H+ B

Extracted/Digested By

Analyzed By
BKALKMAN
BKALKMAN
MROGERSON
BKALKMAN

Sample Name: M21876-4
Lab Code: R1711053-003
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
200.7

Extracted/Digested By
KMCLAEN

Analyzed By
NMANSEN

Sample Name: M21876-5
Lab Code: R1711053-004
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
120.1
180.1
SM 4500-Cl F 3.a.4
SM 4500-H+ B

Extracted/Digested By

Analyzed By
BKALKMAN
BKALKMAN
MROGERSON
BKALKMAN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-7
Lab Code: R1711053-005
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17

Analysis Method
200.7

Extracted/Digested By
KMCLAEN

Analyzed By
NMANSEN

Sample Name: M21876-8
Lab Code: R1711053-006
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17

Analysis Method
120.1
180.1
SM 4500-Cl F 3.a.4
SM 4500-H+ B

Extracted/Digested By

Analyzed By
BKALKMAN
BKALKMAN
MROGERSON
BKALKMAN

Sample Name: M21876-10
Lab Code: R1711053-007
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17

Analysis Method
200.7

Extracted/Digested By
KMCLAEN

Analyzed By
NMANSEN

Sample Name: M21876-11
Lab Code: R1711053-008
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17

Analysis Method
120.1
180.1
SM 4500-Cl F 3.a.4
SM 4500-H+ B

Extracted/Digested By

Analyzed By
BKALKMAN
BKALKMAN
MROGERSON
BKALKMAN

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dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-13
Lab Code: R1711053-009
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-14
Lab Code: R1711053-010
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

Sample Name: M21876-16
Lab Code: R1711053-011
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-17
Lab Code: R1711053-012
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

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Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-19
Lab Code: R1711053-013
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-20
Lab Code: R1711053-014
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

Sample Name: M21876-22
Lab Code: R1711053-015
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-23
Lab Code: R1711053-016
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

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dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-25
Lab Code: R1711053-017
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-26
Lab Code: R1711053-018
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

Sample Name: M21876-28
Lab Code: R1711053-019
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-29
Lab Code: R1711053-020
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-31
Lab Code: R1711053-021
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-32
Lab Code: R1711053-022
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

Sample Name: M21876-34
Lab Code: R1711053-023
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-35
Lab Code: R1711053-024
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-37
Lab Code: R1711053-025
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-38
Lab Code: R1711053-026
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

Sample Name: M21876-40
Lab Code: R1711053-027
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-41
Lab Code: R1711053-028
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

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dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-43
Lab Code: R1711053-029
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
200.7

Extracted/Digested By
KMCLAEN

Analyzed By
NMANSEN

Sample Name: M21876-44
Lab Code: R1711053-030
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
120.1
180.1
SM 4500-Cl F 3.a.4
SM 4500-H+ B

Extracted/Digested By

Analyzed By
BKALKMAN
BKALKMAN
MROGERSON
BKALKMAN

Sample Name: M21876-46
Lab Code: R1711053-031
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
200.7

Extracted/Digested By
KMCLAEN

Analyzed By
NMANSEN

Sample Name: M21876-47
Lab Code: R1711053-032
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
120.1
180.1
SM 4500-Cl F 3.a.4
SM 4500-H+ B

Extracted/Digested By

Analyzed By
BKALKMAN
BKALKMAN
MROGERSON
BKALKMAN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-49
Lab Code: R1711053-033
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-50
Lab Code: R1711053-034
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

Sample Name: M21876-52
Lab Code: R1711053-035
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-53
Lab Code: R1711053-036
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-55
Lab Code: R1711053-037
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-56
Lab Code: R1711053-038
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

Sample Name: M21876-58
Lab Code: R1711053-039
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-59
Lab Code: R1711053-040
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-61
Lab Code: R1711053-041
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-62
Lab Code: R1711053-042
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

Sample Name: M21876-64
Lab Code: R1711053-043
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

200.7

Extracted/Digested By

KMCLAEN

Analyzed By

NMANSEN

Sample Name: M21876-65
Lab Code: R1711053-044
Sample Matrix: Drinking Water

Date Collected: 11/20/17**Date Received:** 11/20/17**Analysis Method**

120.1

180.1

SM 4500-Cl F 3.a.4

SM 4500-H+ B

Extracted/Digested By**Analyzed By**

BKALKMAN

BKALKMAN

MROGERSON

BKALKMAN

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Analyst Summary report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD

Service Request: R1711053

Sample Name: M21876-67
Lab Code: R1711053-045
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
200.7

Extracted/Digested By
KMCLAEN

Analyzed By
NMANSEN

Sample Name: M21876-68
Lab Code: R1711053-046
Sample Matrix: Drinking Water

Date Collected: 11/20/17
Date Received: 11/20/17

Analysis Method
120.1
180.1
SM 4500-C1 F 3.a.4
SM 4500-H+ B

Extracted/Digested By

Analyzed By
BKALKMAN
BKALKMAN
MROGERSON
BKALKMAN



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

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Metals

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-1
Lab Code: R1711053-001

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/29/17 12:52	11/26/17	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-4
Lab Code: R1711053-003

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100	ug/L	100	1	11/29/17 12:55	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-7
Lab Code: R1711053-005

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	220	ug/L	100	1	11/29/17 13:10	11/26/17	

ALS Group USA, Corp.
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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-10
Lab Code: R1711053-007

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/29/17 13:13	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-13
Lab Code: R1711053-009

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/29/17 13:22	11/26/17	

ALS Group USA, Corp.
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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-16
Lab Code: R1711053-011

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	120	ug/L	100	1	11/29/17 13:25	11/26/17	

ALS Group USA, Corp.
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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-19
Lab Code: R1711053-013

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	130	ug/L	100	1	11/29/17 13:41	11/26/17	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-22
Lab Code: R1711053-015

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	110	ug/L	100	1	11/29/17 13:44	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-25
Lab Code: R1711053-017

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	150	ug/L	100	1	11/29/17 13:47	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-28
Lab Code: R1711053-019

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	190	ug/L	100	1	11/29/17 13:50	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-31
Lab Code: R1711053-021

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	110	ug/L	100	1	11/29/17 13:59	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-34
Lab Code: R1711053-023

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/29/17 14:02	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-37
Lab Code: R1711053-025

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	110	ug/L	100	1	11/29/17 14:05	11/26/17	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-40
Lab Code: R1711053-027

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	130	ug/L	100	1	11/29/17 14:08	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-43
Lab Code: R1711053-029

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	570	ug/L	100	1	11/29/17 14:11	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-46
Lab Code: R1711053-031

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/29/17 14:15	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-49
Lab Code: R1711053-033

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	490	ug/L	100	1	11/29/17 14:18	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-52
Lab Code: R1711053-035

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	1280	ug/L	100	1	11/29/17 14:21	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-55
Lab Code: R1711053-037

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	1500	ug/L	100	1	11/29/17 14:24	11/26/17	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-58
Lab Code: R1711053-039

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/29/17 14:27	11/26/17	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-61
Lab Code: R1711053-041

Service Request: R1711053
Date Collected: 11/20/17 07:50
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/28/17 03:41	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-64
Lab Code: R1711053-043

Service Request: R1711053
Date Collected: 11/20/17 07:50
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/28/17 03:44	11/26/17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-67
Lab Code: R1711053-045

Service Request: R1711053
Date Collected: 11/20/17 07:50
Date Received: 11/20/17 16:04
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/28/17 04:00	11/26/17	



General Chemistry

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-2
Lab Code: R1711053-002

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	329	uMHOS/cm	-	1	11/30/17 13:35	
pH	SM 4500-H+ B	7.85	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.3	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.43	NTU	0.10	1	11/21/17 19:15	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-5
Lab Code: R1711053-004

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	327	uMHOS/cm	-	1	11/30/17 13:30	
pH	SM 4500-H+ B	7.81	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.1	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.60	NTU	0.10	1	11/21/17 19:15	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-8
Lab Code: R1711053-006

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	323	uMHOS/cm	-	1	11/30/17 13:29	
pH	SM 4500-H+ B	7.84	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.5	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	1.4	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-11
Lab Code: R1711053-008

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	332	uMHOS/cm	-	1	11/30/17 13:51	
pH	SM 4500-H+ B	7.82	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.1	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.52	NTU	0.10	1	11/21/17 19:15	

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dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-14
Lab Code: R1711053-010

Service Request: R1711053
Date Collected: 11/20/17 06:06
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	336	uMHOS/cm	-	1	11/30/17 13:45	
pH	SM 4500-H+ B	7.66	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.2	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.21	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-17
Lab Code: R1711053-012

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	329	uMHOS/cm	-	1	11/30/17 13:41	
pH	SM 4500-H+ B	7.88	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.6	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.62	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-20
Lab Code: R1711053-014

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	328	uMHOS/cm	-	1	11/30/17 13:36	
pH	SM 4500-H+ B	7.79	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.3	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.60	NTU	0.10	1	11/21/17 19:15	

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dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-23
Lab Code: R1711053-016

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	328	uMHOS/cm	-	1	11/30/17 13:33	
pH	SM 4500-H+ B	7.82	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.3	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.78	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-26
Lab Code: R1711053-018

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	327	uMHOS/cm	-	1	11/30/17 13:27	
pH	SM 4500-H+ B	7.86	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.4	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.45	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-29
Lab Code: R1711053-020

Service Request: R1711053
Date Collected: 11/20/17 06:29
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	326	uMHOS/cm	-	1	11/30/17 13:50	
pH	SM 4500-H+ B	7.88	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.4	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	1.6	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-32
Lab Code: R1711053-022

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	329	uMHOS/cm	-	1	11/30/17 13:47	
pH	SM 4500-H+ B	7.93	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.3	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.69	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-35
Lab Code: R1711053-024

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	327	uMHOS/cm	-	1	11/30/17 13:43	
pH	SM 4500-H+ B	7.96	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.4	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.30	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-38
Lab Code: R1711053-026

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	330	uMHOS/cm	-	1	11/30/17 13:39	
pH	SM 4500-H+ B	7.98	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.5	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.88	NTU	0.10	1	11/21/17 19:15	

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dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-41
Lab Code: R1711053-028

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	328	uMHOS/cm	-	1	11/30/17 13:34	
pH	SM 4500-H+ B	7.63	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.7	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.54	NTU	0.10	1	11/21/17 19:15	

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dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-44
Lab Code: R1711053-030

Service Request: R1711053
Date Collected: 11/20/17 07:02
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	328	uMHOS/cm	-	1	11/30/17 13:32	
pH	SM 4500-H+ B	7.79	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.4	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.71	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-47
Lab Code: R1711053-032

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	324	uMHOS/cm	-	1	11/30/17 13:24	
pH	SM 4500-H+ B	7.89	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.7	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	1.4	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-50
Lab Code: R1711053-034

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	322	uMHOS/cm	-	1	11/30/17 13:28	
pH	SM 4500-H+ B	7.93	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.6	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	7.3	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-53
Lab Code: R1711053-036

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	323	uMHOS/cm	-	1	11/30/17 13:31	
pH	SM 4500-H+ B	7.90	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.2	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	6.5	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-56
Lab Code: R1711053-038

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	324	uMHOS/cm	-	1	11/30/17 13:25	
pH	SM 4500-H+ B	7.90	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.8	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	9.4	NTU	0.10	1	11/21/17 19:15	

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dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-59
Lab Code: R1711053-040

Service Request: R1711053
Date Collected: 11/20/17 07:31
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	324	uMHOS/cm	-	1	11/30/17 13:26	
pH	SM 4500-H+ B	7.91	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.4	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	1.4	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-62
Lab Code: R1711053-042

Service Request: R1711053
Date Collected: 11/20/17 07:50
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	331	uMHOS/cm	-	1	11/30/17 14:43	
pH	SM 4500-H+ B	7.92	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.2	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.76	NTU	0.10	1	11/21/17 19:15	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-65
Lab Code: R1711053-044

Service Request: R1711053
Date Collected: 11/20/17 07:50
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	348	uMHOS/cm	-	1	11/30/17 13:40	
pH	SM 4500-H+ B	7.77	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	18.7	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.51	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: M21876-68
Lab Code: R1711053-046

Service Request: R1711053
Date Collected: 11/20/17 08:02
Date Received: 11/20/17 16:04

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	H
Conductivity at 25 Degrees Celsius	120.1	341	uMHOS/cm	-	1	11/30/17 13:44	
pH	SM 4500-H+ B	7.70	pH Units	-	1	11/28/17 09:00	H
Temperature of pH Analysis	SM 4500-H+ B	19.1	deg C	-	1	11/28/17 09:00	H
Turbidity	180.1	0.46	NTU	0.10	1	11/21/17 19:15	



QC Summary Forms

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Metals

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: Method Blank
Lab Code: R1711053-MB1

Service Request: R1711053
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/28/17 02:17	11/26/17	

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: Method Blank
Lab Code: R1711053-MB2

Service Request: R1711053
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron, Total	200.7	100 U	ug/L	100	1	11/29/17 12:46	11/26/17	



General Chemistry

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Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: Method Blank
Lab Code: R1711053-MB1

Service Request: R1711053
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	
Turbidity	180.1	0.10 U	NTU	0.10	1	11/21/17 19:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Lozier Environmental Consulting, Incorporated
Project: M21876/RCSD
Sample Matrix: Drinking Water
Sample Name: Method Blank
Lab Code: R1711053-MB2

Service Request: R1711053
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chlorine, Total Residual	SM 4500-Cl F 3.a.4	0.10 U	mg/L	0.10	1	11/22/17 15:20	