September 14, 2021

Mr. Thomas Touseau
SAU 26, Merrimack School District
Facilities Director
36 McElwain Street
Merrimack, NH 03154

Re: Lead in Water Testing
SAU 26 District
RPF Project No. 21.0572

Dear Mr. Touseau,

On July 6, 2021, July 22, 2021, August 11, 2021, and August 20, 2021, RPF Environmental, Inc. (RPF) conducted sampling of water fountains and sinks located in six school buildings within SAU 26 for lead in water. A total of 134 samples were collected by RPF EH&S Consultant, Katherine Corey. The results of this survey are presented in the following report and appendices. This report is subject to the limitations presented in Appendix D.

TEST RESULTS

One first draw sample was collected at each of the 134 water fountains and sinks located throughout the six schools. According to staff, the water had stood in the water pipes in the water fountains untouched since approximately March 2020. The remaining sinks the water had stood in the water pipe overnight untouched. After collection, each water sample was labeled and packaged in a cooler and delivered to Eastern Analytical, Inc. of Concord, NH. The samples were analyzed for Lead EPA method 200.8.

The concentrations of the Lead compounds detected are provided in Tables 1 through 4 of Appendix A, along with the Maximum Contaminant Levels (MCLs) established by New Hampshire Statute Env-Dw 700, as applicable of 0.015 milligrams per liter of water. The full laboratory analytical results are included in Appendix B. The EPA has a guideline for safe drinking water of 0.020 milligrams per liter of water (mg/L). The following outlets were above either the NH or EPA limits and further action is recommended:

The following is a list of water outlets with lead concentration exceeding EPA or NH Drinking Water Guidelines from the first round of testing on July 6, 2021:

Merrimack Middle School	Boy's Locker Room	0.020 mg/L
Thorntons Ferry School	Room 4	0.017 mg/L

On July 22, 2021, an RPF Environmental consultant returned to SAU 26 schools to collect the remaining first-draw water sampling of water fountains and sinks located in Merrimack High School, Mastricola Upper Elementary School, Mastricola Elementary School, and Reeds Ferry School.

The following is a list of water outlets with lead concentration exceeding EPA or NH Drinking Water Guidelines from the second round of testing on July 22, 2021:

Merrimack High School	E220	0.037 mg/L
Merrimack High School	D225	0.016 mg/L

On August 11, 2021, an RPF Environmental consultant returned to SAU 26 schools to collect the remaining first-draw water sampling of water fountains and sinks, as well as to re-test the elevated samples from the locations listed above.

The following is a list of water outlets with lead concentration exceeding EPA or NH Drinking Water Guidelines from the second round of testing on July 22, 2021:

Merrimack High School	D225	0.020 mg/L

On August 20, 2021, an RPF Environmental consultant returned to SAU 26 schools to re-test the elevated samples from Merrimack High School and Thorntons Ferry School. While on-site, the client representative indicated that a new water faucet had been installed in the athletic training room at the Merrimack High School and asked that the new faucet be tested. Three samples were collected on the day of testing and after collection, each water sample was labeled and packaged in a cooler and delivered to Eastern Analytical, Inc. of Concord, NH. The samples were analyzed for Lead EPA method 200.8.

In conclusion, as of the August 20 testing, all water fountains, water faucets and main intakes tested within the SAU 26 district schools are below the maximum contaminant action level for lead with varying levels of lead present with a few approaching the NH DES limit. If you have any questions or require additional information on any sample results, please feel free to contact our office. Thank you for utilizing the services of RPF for this important project.

Sincerely,
RPF Environmental, Inc.

Kara Forsythe, SMS
Sr. EH&S Consultant

Enclosures: Appendix A: Testing Results
Appendix B: Laboratory Results
Appendix C: EPA Tool Kit for Lead in Water – Appendix E
Appendix D: Limitations

APPENDIX A

TABLE 1

SAU 26, MERRIMACK SCHOOL DISTRICT
36 McElwain Street, Merrimack, NH 03054

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: July 6, 2021

Sample ID	School	Sample Description	Lead (mg/L)
070621-A01	Merrimack High School	Room F108	0.0042
070621-A04	Merrimack High School	Kitchen	0.0031
070621-A05	Merrimack High School	By Gym	<0.001
070621-A06	Merrimack High School	Gym	<0.001
070621-A07	Merrimack High School	Boys Locker Room	<0.001
070621-A09	Merrimack High School	D126	<0.001
070621-A11	Merrimack High School	E114	0.0081
070621-A12	Merrimack High School	121	<0.001
070621-A14	Merrimack High School	Teachers' Lounge	<0.001
070621-A15	Merrimack High School	Girls Locker Room	0.0019
070621-B1	Merrimack Middle School	Girl's Locker Room	0.0010
070621-B2	Merrimack Middle School	By Room 133	<0.001
070621-B3	Merrimack Middle School	By Room 137	0.0031
070621-B4	Merrimack Middle School	Boy's Locker Room	**0.020**
070621-B5	Merrimack Middle School	Room 146	<0.001
070621-B6	Merrimack Middle School	Room116	0.0023
070621-B7	Merrimack Middle School	By Room 121 – Tall Bubbler	0.0015
070621-B8	Merrimack Middle School	By Room 121 – Short Bubbler	<0.001
070621-B9	Merrimack Middle School	Cafeteria	0.0019

TABLE 1
(continued)

SAU 26
Merrimack School District

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: June 14, 2016

Sample ID	School	Sample Description	Lead (mg/L)
070621-B10	Merrimack Middle School	By Room 244	<0.001
070621-B11	Merrimack Middle School	By Room 240	0.0039
070621-B12	Merrimack Middle School	By Room 224	0.010
070621-B13	Merrimack Middle School	By Room 220	0.0036
070621-B14	Merrimack Middle School	Kitchen, Boiling Pot – Right	0.0017
070621-B15	Merrimack Middle School	Kitchen, Boiling Pot – Left	0.0022
070621-B16	Merrimack Middle School	Kitchen Food Prep Sink	<0.001
070621-C7	Mastricola Upper Elementary School	Room 147	<0.001
070621-C8	Mastricola Upper Elementary School	Main office	<0.001
070621-C9	Mastricola Upper Elementary School	Nurse	0.0030
070621-C11	Mastricola Upper Elementary School	Room 233	0.0030
070621-C13	Mastricola Upper Elementary School	Kitchen	0.0056
070621-C14	Mastricola Upper Elementary School	Special Education	0.0010
070621-D1	Mastricola Elementary School	Kitchen	0.0022
070621-D3	Mastricola Elementary School	Staff Room	<0.001
070621-D4	Mastricola Elementary School	Room 11	<0.001
070621-D5	Mastricola Elementary School	Room 12	0.0025
070621-D6	Mastricola Elementary School	Room 9	<0.001
070621-D7	Mastricola Elementary School	Room 10	<0.001

TABLE 1
(continued)

SAU 26
Merrimack School District

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: June 14, 2016

Sample ID	School	Sample Description	Lead (mg/L)
070621-D9	Mastricola Elementary School	Room 7	<0.001
070621-D10	Mastricola Elementary School	Room 8	<0.001
070621-D11	Mastricola Elementary School	Room 5	<0.001
070621-D12	Mastricola Elementary School	Room 6	<0.001
070621-D13	Mastricola Elementary School	Room 4	<0.001
070621-D14	Mastricola Elementary School	Room 3	<0.001
070621-D16	Mastricola Elementary School	Room 2	<0.001
070621-D17	Mastricola Elementary School	Room 1B	<0.001
070621-D18	Mastricola Elementary School	Nurse	0.0017
070621-D19	Mastricola Elementary School	Room 13	<0.001
070621-D20	Mastricola Elementary School	Room 15	<0.001
070621-D21	Mastricola Elementary School	Room 14	<0.001
070621-D23	Mastricola Elementary School	Room 16	<0.001
070621-D24	Mastricola Elementary School	Room 17	<0.001
070621-D25	Mastricola Elementary School	Room 18	<0.001
070621-D26	Mastricola Elementary School	Room 19	<0.001
070621-D27	Mastricola Elementary School	Room 20	0.0014
070621-D28	Mastricola Elementary School	Room 21	<0.001
070621-D30	Mastricola Elementary School	Room 22	<0.001

TABLE 1
(continued)

SAU 26
Merrimack School District

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: June 14, 2016

Sample ID	School	Sample Description	Lead (mg/L)
070621-D31	Mastricola Elementary School	Room 23	<0.001
070621-D32	Mastricola Elementary School	Room 24	<0.001
070621-E1	Reeds Ferry School	Cafeteria	<0.001
070621-E2	Reeds Ferry School	Entrance	<0.001
070621-E3	Reeds Ferry School	By Room 9/10	<0.001
070621-E4	Reeds Ferry School	Faculty Lounge	<0.001
070621-E5	Reeds Ferry School	Outside Art Room	<0.001
070621-E6	Reeds Ferry School	By Room 28	<0.001
070621-E7	Reeds Ferry School	Hallway by Room 21	<0.001
070621-E8	Reeds Ferry School	Faculty Room by Room 21	<0.001
070621-E9	Reeds Ferry School	Outside Gym	<0.001
070621-F1	Thorntons Ferry School	Outside Nurse	<0.001
070621-F2	Thorntons Ferry School	Cafeteria	0.010
070621-F3	Thorntons Ferry School	Fountain Across from Library	0.0019
070621-F4	Thorntons Ferry School	By Room 9	<0.001
070621-F5	Thorntons Ferry School	Outside Gym	<0.001
070621-F6	Thorntons Ferry School	By Room 26	<0.001
070621-F7	Thorntons Ferry School	By ESL Room	<0.001
070621-F8	Thorntons Ferry School	Art Room	0.0042

TABLE 1
(continued)

SAU 26
Merrimack School District

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: June 14, 2016

Sample ID	School	Sample Description	Lead (mg/L)
070621-F9	Thorntons Ferry School	By Room 37	<0.001
070621-F10	Thorntons Ferry School	Room 1	<0.001
070621-F11	Thorntons Ferry School	Room 2	<0.001
070621-F12	Thorntons Ferry School	Room 3	0.0037
070621-F13	Thorntons Ferry School	Room 4	**0.017**
070621-F14	Thorntons Ferry School	Room 5	0.0023
070621-F15	Thorntons Ferry School	Room 6	0.0058
070621-F16	Thorntons Ferry School	Room 7	0.0015
070621-F17	Thorntons Ferry School	Room 8	0.0022
070621-F18	Thorntons Ferry School	Faculty Lounge	<0.001
NH		Maximum Containment Level Lead	0.015 mg/l
US EPA		EPA recommended limit	0.020 mg/L

21.0572

Notes: MCL: Maximum Contaminant Level is the highest level of a contaminant that is allowed in drinking water in accordance with NH Administrative Statute Env-Dw 700 Water Quality: Standards, Monitoring, Treatment, Compliance and Reporting
ug/L: Micrograms per Liter
mg/L: Milligrams per Liter

TABLE 2

SAU 26, MERRIMACK SCHOOL DISTRICT
36 McElwain Street, Merrimack, NH 03054

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: July 22, 2021

Sample ID	School	Sample Description	Lead (mg/L)
072221-A02	Merrimack High School	F101	<0.001
072221-A03	Merrimack High School	Main Hall Bathroom by Athletic Directors Office	<0.001
072221-A08	Merrimack High School	IA Storage	0.0017
072221-A10	Merrimack High School	Nurse	<0.001
072221-A11	Merrimack High School	E114	0.0024
072221-A12	Merrimack High School	E220	**0.037**
072221-A13	Merrimack High School	D225	**0.016**
072221-A14	Merrimack High School	C242	0.0014
072221-A17	Merrimack High School	Next to F210	0.0032
072221-A18	Merrimack High School	G269	<0.001
072221-A19	Merrimack High School	G360	<0.001
072221-A20	Merrimack High School	1st Floor by Elevator	<0.001
072221-C1	Mastricola Upper Elementary School	Outside 158	<0.001
072221-C2	Mastricola Upper Elementary School	Bathroom by APR	<0.001
072221-C3	Mastricola Upper Elementary School	Room 120	<0.001
072221-C4	Mastricola Upper Elementary School	By Room 130	<0.001
072221-C5	Mastricola Upper Elementary School	By Room 141	0.0015
072221-C6	Mastricola Upper Elementary School	By Room 143	<0.001
072221-C10	Mastricola Upper Elementary School	Room 247	0.0019

TABLE 2
(continued)

SAU 26
Merrimack School District

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: June 14, 2016

Sample ID	School	Sample Description	Lead (mg/L)
072221-C12	Mastricola Upper Elementary School	Room 221	<0.001
072221-C15	Mastricola Upper Elementary School	By Smith's Gym, Outside Boy's Locker Room	<0.001
072221-C16	Mastricola Upper Elementary School	Boy's Bathroom	<0.001
072221-D1	Mastricola Elementary School	APR	0.0051
072221-D2	Mastricola Elementary School	Outside APR	<0.001
072221-D8	Mastricola Elementary School	By Room 7	<0.001
072221-D15	Mastricola Elementary School	By Room 2	<0.001
072221-D22	Mastricola Elementary School	By Room 16	<0.001
072221-D29	Mastricola Elementary School	By Room 22	<0.001
072221-D33	Mastricola Elementary School	By Room E	<0.001
072221-D34	Mastricola Elementary School	Outside Gym	<0.001
072221-E11	Reeds Ferry School	Room 8	0.0019
072221-E10	Reeds Ferry School	Room 7	0.0023
072221-E12	Reeds Ferry School	Room 6	0.0020
072221-E13	Reeds Ferry School	Room 5	0.0011
072221-E14	Reeds Ferry School	Room 4	0.0057
072221-E15	Reeds Ferry School	Room 3	0.0015
072221-E16	Reeds Ferry School	Room 2	0.0013
NH	Maximum Containment Level Lead		0.015 mg/l

TABLE 2
(continued)

SAU 26
Merrimack School District

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: June 14, 2016

Sample ID	School	Sample Description	Lead (mg/L)
US EPA		EPA recommended limit	0.020 mg/L

21.0572

Notes: MCL: Maximum Contaminant Level is the highest level of a contaminant that is allowed in drinking water in accordance with NH Administrative Statute Env-Dw 700 Water Quality: Standards, Monitoring, Treatment, Compliance and Reporting
ug/L: Micrograms per Liter
mg/L: Milligrams per Liter

TABLE 3

SAU 26, MERRIMACK SCHOOL DISTRICT
36 McElwain Street, Merrimack, NH 03054

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: August 11, 2021

Sample ID	School	Sample Description	Lead (mg/L)
081121-A12	Merrimack High School	E220	0.010
081121-A13	Merrimack High School	D225	**0.020**
081121-A16	Merrimack High School	F202	<0.001
081121-B4	Merrimack Middle School	Boy's Locker Room	<0.001
081121-B17	Merrimack Middle School	Nurse	<0.001
081121-E17	Reeds Ferry School	Room 7	0.0020
081121-E18	Reeds Ferry School	Kitchen	0.0067
081121-F19	Thorntons Ferry School	Kitchen	<0.001
NH		Maximum Containment Level Lead	0.015 mg/l
US EPA		EPA recommended limit	0.020 mg/L

21.0572

Notes: MCL: Maximum Contaminant Level is the highest level of a contaminant that is allowed in drinking water in accordance with NH Administrative Statute Env-Dw 700 Water Quality: Standards, Monitoring, Treatment, Compliance and Reporting
ug/L: Micrograms per Liter
mg/L: Milligrams per Liter

TABLE 4

SAU 26, MERRIMACK SCHOOL DISTRICT
36 McElwain Street, Merrimack, NH 03054

LEAD IN WATER ANALYSIS RESULTS

Samples Collected: August 20, 2021

Sample ID	School	Sample Description	Lead (mg/L)
082021-A13	Merrimack High School	D225	0.0041
082021-A21	Merrimack High School	Athletic Training Room	0.0024
082021-F13	Thorntons Ferry School	Room 4	0.0017
NH	Maximum Containment Level Lead		0.015 mg/l
US EPA	EPA recommended limit		0.020 mg/L

21.0572

Notes: MCL: Maximum Contaminant Level is the highest level of a contaminant that is allowed in drinking water in accordance with NH Administrative Statute Env-Dw 700 Water Quality: Standards, Monitoring, Treatment, Compliance and Reporting
ug/L: Micrograms per Liter
mg/L: Milligrams per Liter

APPENDIX B

Eastern Analytical, Inc.

professional laboratory and drilling services

Kara Forsythe
RPF Environmental, Inc.
320 First NH Turnpike
Northwood , NH 03261

Laboratory Report for:

Eastern Analytical, Inc. ID: 228627
Client Identification: SAU 26 | 21.0572
Date Received: 7/6/2021

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Certifications:
Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.

References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 7.19.21 Date | 25 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Temperature upon receipt (°C): 21 **Received on ice or cold packs (Yes/No): N**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
228627.01	070621-A01	7/6/21	7/6/21	07:52	aqueous		Adheres to Sample Acceptance Policy
228627.02	070621-A04	7/6/21	7/6/21	07:57	aqueous		Adheres to Sample Acceptance Policy
228627.03	070621-A05	7/6/21	7/6/21	08:00	aqueous		Adheres to Sample Acceptance Policy
228627.04	070621-A06	7/6/21	7/6/21	08:04	aqueous		Adheres to Sample Acceptance Policy
228627.05	070621-A07	7/6/21	7/6/21	08:06	aqueous		Adheres to Sample Acceptance Policy
228627.06	070621-A09	7/6/21	7/6/21	08:15	aqueous		Adheres to Sample Acceptance Policy
228627.07	070621-A11	7/6/21	7/6/21	08:20	aqueous		Adheres to Sample Acceptance Policy
228627.08	070621-A12	7/6/21	7/6/21	08:13	aqueous		Adheres to Sample Acceptance Policy
228627.09	070621-A14	7/6/21	7/6/21		aqueous		Adheres to Sample Acceptance Policy
228627.1	070621-A15	7/6/21	7/6/21	08:10	aqueous		Adheres to Sample Acceptance Policy
228627.11	070621-B1	7/6/21	7/6/21	07:50	aqueous		Adheres to Sample Acceptance Policy
228627.12	070621-B2	7/6/21	7/6/21	07:55	aqueous		Adheres to Sample Acceptance Policy
228627.13	070621-B3	7/6/21	7/6/21	07:58	aqueous		Adheres to Sample Acceptance Policy
228627.14	070621-B4	7/6/21	7/6/21	08:00	aqueous		Adheres to Sample Acceptance Policy
228627.15	070621-B5	7/6/21	7/6/21	08:03	aqueous		Adheres to Sample Acceptance Policy
228627.16	070621-B6	7/6/21	7/6/21	08:10	aqueous		Adheres to Sample Acceptance Policy
228627.17	070621-B7	7/6/21	7/6/21	08:13	aqueous		Adheres to Sample Acceptance Policy
228627.18	070621-B8	7/6/21	7/6/21	08:15	aqueous		Adheres to Sample Acceptance Policy
228627.19	070621-B9	7/6/21	7/6/21	08:20	aqueous		Adheres to Sample Acceptance Policy
228627.2	070621-B10	7/6/21	7/6/21	08:31	aqueous		Adheres to Sample Acceptance Policy
228627.21	070621-B11	7/6/21	7/6/21	08:34	aqueous		Adheres to Sample Acceptance Policy
228627.22	070621-B12	7/6/21	7/6/21	08:36	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- *Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.*
- *Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.*
- *Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.*
- *Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.*

SAMPLE CONDITIONS PAGE

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Temperature upon receipt (°C): 21 **Received on ice or cold packs (Yes/No): N**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
228627.23	070621-B13	7/6/21	7/6/21	08:39	aqueous		Adheres to Sample Acceptance Policy
228627.24	070621-B14	7/6/21	7/6/21	08:47	aqueous		Adheres to Sample Acceptance Policy
228627.25	070621-B15	7/6/21	7/6/21	08:48	aqueous		Adheres to Sample Acceptance Policy
228627.26	070621-B16	7/6/21	7/6/21	08:50	aqueous		Adheres to Sample Acceptance Policy
228627.27	070621-C7	7/6/21	7/6/21	09:10	aqueous		Adheres to Sample Acceptance Policy
228627.28	070621-C8	7/6/21	7/6/21	08:59	aqueous		Adheres to Sample Acceptance Policy
228627.29	070621-C9	7/6/21	7/6/21	09:04	aqueous		Adheres to Sample Acceptance Policy
228627.3	070621-C11	7/6/21	7/6/21	09:18	aqueous		Adheres to Sample Acceptance Policy
228627.31	070621-C13	7/6/21	7/6/21	09:29	aqueous		Adheres to Sample Acceptance Policy
228627.32	070621-C14	7/6/21	7/6/21	09:37	aqueous		Adheres to Sample Acceptance Policy
228627.33	070621-D1	7/6/21	7/6/21	10:51	aqueous		Adheres to Sample Acceptance Policy
228627.34	070621-D3	7/6/21	7/6/21	08:47	aqueous		Adheres to Sample Acceptance Policy
228627.35	070621-D4	7/6/21	7/6/21	10:26	aqueous		Adheres to Sample Acceptance Policy
228627.36	070621-D5	7/6/21	7/6/21	10:30	aqueous		Adheres to Sample Acceptance Policy
228627.37	070621-D6	7/6/21	7/6/21	10:32	aqueous		Adheres to Sample Acceptance Policy
228627.38	070621-D7	7/6/21	7/6/21	10:34	aqueous		Adheres to Sample Acceptance Policy
228627.39	070621-D9	7/6/21	7/6/21	10:38	aqueous		Adheres to Sample Acceptance Policy
228627.4	070621-D10	7/6/21	7/6/21	10:41	aqueous		Adheres to Sample Acceptance Policy
228627.41	070621-D11	7/6/21	7/6/21	10:56	aqueous		Adheres to Sample Acceptance Policy
228627.42	070621-D12	7/6/21	7/6/21	10:59	aqueous		Adheres to Sample Acceptance Policy
228627.43	070621-D13	7/6/21	7/6/21		aqueous		Adheres to Sample Acceptance Policy
228627.44	070621-D14	7/6/21	7/6/21	11:09	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- *Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.*
- *Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.*
- *Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.*
- *Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.*

SAMPLE CONDITIONS PAGE

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Temperature upon receipt (°C): 21 **Received on ice or cold packs (Yes/No): N**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
228627.45	070621-D16	7/6/21	7/6/21	11:03	aqueous		Adheres to Sample Acceptance Policy
228627.46	070621-D17	7/6/21	7/6/21	11:06	aqueous		Adheres to Sample Acceptance Policy
228627.47	070621-D18	7/6/21	7/6/21	08:53	aqueous		Adheres to Sample Acceptance Policy
228627.48	070621-D19	7/6/21	7/6/21	10:21	aqueous		Adheres to Sample Acceptance Policy
228627.49	070621-D20	7/6/21	7/6/21	10:18	aqueous		Adheres to Sample Acceptance Policy
228627.5	070621-D21	7/6/21	7/6/21	10:16	aqueous		Adheres to Sample Acceptance Policy
228627.51	070621-D23	7/6/21	7/6/21	10:13	aqueous		Adheres to Sample Acceptance Policy
228627.52	070621-D24	7/6/21	7/6/21	10:09	aqueous		Adheres to Sample Acceptance Policy
228627.53	070621-D25	7/6/21	7/6/21	10:06	aqueous		Adheres to Sample Acceptance Policy
228627.54	070621-D26	7/6/21	7/6/21	10:04	aqueous		Adheres to Sample Acceptance Policy
228627.55	070621-D27	7/6/21	7/6/21	10:01	aqueous		Adheres to Sample Acceptance Policy
228627.56	070621-D28	7/6/21	7/6/21	09:58	aqueous		Adheres to Sample Acceptance Policy
228627.57	070621-D30	7/6/21	7/6/21	09:55	aqueous		Adheres to Sample Acceptance Policy
228627.58	070621-D31	7/6/21	7/6/21	09:52	aqueous		Adheres to Sample Acceptance Policy
228627.59	070621-D32	7/6/21	7/6/21	09:49	aqueous		Adheres to Sample Acceptance Policy
228627.6	070621-E1	7/6/21	7/6/21	10:57	aqueous		Adheres to Sample Acceptance Policy
228627.61	070621-E2	7/6/21	7/6/21	11:00	aqueous		Adheres to Sample Acceptance Policy
228627.62	070621-E3	7/6/21	7/6/21	11:05	aqueous		Adheres to Sample Acceptance Policy
228627.63	070621-E4	7/6/21	7/6/21	11:08	aqueous		Adheres to Sample Acceptance Policy
228627.64	070621-E5	7/6/21	7/6/21	11:11	aqueous		Adheres to Sample Acceptance Policy
228627.65	070621-E6	7/6/21	7/6/21	11:14	aqueous		Adheres to Sample Acceptance Policy
228627.66	070621-E7	7/6/21	7/6/21	11:16	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- *Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.*
- *Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.*
- *Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.*
- *Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.*

SAMPLE CONDITIONS PAGE

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Temperature upon receipt (°C): 21

Received on ice or cold packs (Yes/No): N

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
228627.67	070621-E8	7/6/21	7/6/21	11:18	aqueous		Adheres to Sample Acceptance Policy
228627.68	070621-E9	7/6/21	7/6/21	11:23	aqueous		Adheres to Sample Acceptance Policy
228627.69	070621-F1	7/6/21	7/6/21	09:30	aqueous		Adheres to Sample Acceptance Policy
228627.7	070621-F2	7/6/21	7/6/21	09:36	aqueous		Adheres to Sample Acceptance Policy
228627.71	070621-F3	7/6/21	7/6/21	09:40	aqueous		Adheres to Sample Acceptance Policy
228627.72	070621-F4	7/6/21	7/6/21	09:44	aqueous		Adheres to Sample Acceptance Policy
228627.73	070621-F5	7/6/21	7/6/21	09:47	aqueous		Adheres to Sample Acceptance Policy
228627.74	070621-F6	7/6/21	7/6/21	09:51	aqueous		Adheres to Sample Acceptance Policy
228627.75	070621-F7	7/6/21	7/6/21	09:54	aqueous		Adheres to Sample Acceptance Policy
228627.76	070621-F8	7/6/21	7/6/21	09:56	aqueous		Adheres to Sample Acceptance Policy
228627.77	070621-F9	7/6/21	7/6/21	09:59	aqueous		Adheres to Sample Acceptance Policy
228627.78	070621-F10	7/6/21	7/6/21	10:01	aqueous		Adheres to Sample Acceptance Policy
228627.79	070621-F11	7/6/21	7/6/21	10:07	aqueous		Adheres to Sample Acceptance Policy
228627.8	070621-F12	7/6/21	7/6/21	10:09	aqueous		Adheres to Sample Acceptance Policy
228627.81	070621-F13	7/6/21	7/6/21	10:11	aqueous		Adheres to Sample Acceptance Policy
228627.82	070621-F14	7/6/21	7/6/21	10:13	aqueous		Adheres to Sample Acceptance Policy
228627.83	070621-F15	7/6/21	7/6/21	10:14	aqueous		Adheres to Sample Acceptance Policy
228627.84	070621-F16	7/6/21	7/6/21	10:19	aqueous		Adheres to Sample Acceptance Policy
228627.85	070621-F17	7/6/21	7/6/21	10:20	aqueous		Adheres to Sample Acceptance Policy
228627.86	070621-F18	7/6/21	7/6/21	10:24	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- *Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.*
- *Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.*
- *Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.*
- *Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.*

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-A01	070621-A04	070621-A05	070621-A06					
Lab Sample ID:	228627.01	228627.02	228627.03	228627.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	**0.0042**	**0.0031**	< 0.001	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-A07	070621-A09	070621-A11	070621-A12					
Lab Sample ID:	228627.05	228627.06	228627.07	228627.08					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	**0.0081**	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-A14	070621-A15	070621-B1	070621-B2					
Lab Sample ID:	228627.09	228627.1	228627.11	228627.12					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	**0.0019**	**0.0010**	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-B3	070621-B4	070621-B5	070621-B6					
Lab Sample ID:	228627.13	228627.14	228627.15	228627.16					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	**0.0031**	**0.020**	< 0.001	**0.0023**	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-B7	070621-B8	070621-B9	070621-B10					
Lab Sample ID:	228627.17	228627.18	228627.19	228627.2					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	**0.0015**	< 0.001	**0.0019**	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-B11	070621-B12	070621-B13	070621-B14					
Lab Sample ID:	228627.21	228627.22	228627.23	228627.24					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	**0.0039**	**0.010**	**0.0036**	**0.0017**	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-B15	070621-B16	070621-C7	070621-C8					
Lab Sample ID:	228627.25	228627.26	228627.27	228627.28					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	**0.0022**	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-C9	070621-C11	070621-C13	070621-C14					
Lab Sample ID:	228627.29	228627.3	228627.31	228627.32					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	**0.0030**	**0.0030**	**0.0056**	**0.0010**	AqTot	mg/L	7/8/21	200.8	DS

070621-C14: Turbidity > 1 NTU, digestion requird. Sample analyzed on 7/9/21.

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-D1	070621-D3	070621-D4	070621-D5					
Lab Sample ID:	228627.33	228627.34	228627.35	228627.36					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	**0.0022**	< 0.001	< 0.001	**0.0025**	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-D6	070621-D7	070621-D9	070621-D10					
Lab Sample ID:	228627.37	228627.38	228627.39	228627.4					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-D11	070621-D12	070621-D13	070621-D14					
Lab Sample ID:	228627.41	228627.42	228627.43	228627.44					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-D16	070621-D17	070621-D18	070621-D19					
Lab Sample ID:	228627.45	228627.46	228627.47	228627.48					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	**0.0017**	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-D20	070621-D21	070621-D23	070621-D24					
Lab Sample ID:	228627.49	228627.5	228627.51	228627.52					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-D25	070621-D26	070621-D27	070621-D28					
Lab Sample ID:	228627.53	228627.54	228627.55	228627.56					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	**0.0014**	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-D30	070621-D31	070621-D32	070621-E1					
Lab Sample ID:	228627.57	228627.58	228627.59	228627.6					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-E2	070621-E3	070621-E4	070621-E5					
Lab Sample ID:	228627.61	228627.62	228627.63	228627.64					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-E6	070621-E7	070621-E8	070621-E9					
Lab Sample ID:	228627.65	228627.66	228627.67	228627.68					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-F1	070621-F2	070621-F3	070621-F4					
Lab Sample ID:	228627.69	228627.7	228627.71	228627.72					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	**0.010**	**0.0019**	< 0.001	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-F5	070621-F6	070621-F7	070621-F8					
Lab Sample ID:	228627.73	228627.74	228627.75	228627.76					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	< 0.001	**0.0042**	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-F9	070621-F10	070621-F11	070621-F12					
Lab Sample ID:	228627.77	228627.78	228627.79	228627.8					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	< 0.001	< 0.001	< 0.001	**0.0037**	AqTot	mg/L	7/8/21	200.8	DS

LABORATORY REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	070621-F13	070621-F14	070621-F15	070621-F16					
Lab Sample ID:	228627.81	228627.82	228627.83	228627.84					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/6/21	7/6/21	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/6/21	7/6/21	7/6/21	7/6/21					
Lead	**0.017**	**0.0023**	**0.0058**	**0.0015**	AqTot	mg/L	7/8/21	200.8	DS

Sample ID:	070621-F17	070621-F18						
Lab Sample ID:	228627.85	228627.86						
Matrix:	aqueous	aqueous						
Date Sampled:	7/6/21	7/6/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**	
Date Received:	7/6/21	7/6/21						
Lead	**0.0022**	< 0.001	AqTot	mg/L	7/8/21	200.8	DS	

QC REPORT

EAI ID#: **228627**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Lead	< 0.001	0.20 (100 %R)	NA	mg/L	7/8/21	85 - 115	20	200.8
Lead	< 0.001	0.20 (102 %R)	NA	mg/L	7/8/21	85 - 115	20	200.8
Lead	< 0.001	0.20 (100 %R)	NA	mg/L	7/8/21	85 - 115	20	200.8
Lead	< 0.001	0.20 (99 %R)	NA	mg/L	7/8/21	85 - 115	20	200.8
Lead	< 0.001	0.21 (103 %R)	NA	mg/L	7/8/21	85 - 115	20	200.8
Lead	< 0.001	1.1 (107 %R)	NA	mg/L	7/9/21	85 - 115	20	200.8

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

Eastern Analytical, Inc.

professional laboratory and drilling services

Kara Forsythe
RPF Environmental, Inc.
320 First NH Turnpike
Northwood , NH 03261

Laboratory Report for:

Eastern Analytical, Inc. ID: 229571
Client Identification: SAU 26 | 21.0572
Date Received: 7/22/2021

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Certifications:
Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.

References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 8.4.21 Date | 12 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **229571**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Temperature upon receipt (°C): 21.3 **Received on ice or cold packs (Yes/No): N**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
229571.01	072221-A02	7/22/21	7/22/21	07:14	aqueous		Adheres to Sample Acceptance Policy
229571.02	072221-A03	7/22/21	7/22/21	07:19	aqueous		Adheres to Sample Acceptance Policy
229571.03	072221-A08	7/22/21	7/22/21	07:33	aqueous		Adheres to Sample Acceptance Policy
229571.04	072221-A10	7/22/21	7/22/21	07:26	aqueous		Adheres to Sample Acceptance Policy
229571.05	072221-A11	7/22/21	7/22/21	07:24	aqueous		Adheres to Sample Acceptance Policy
229571.06	072221-A12	7/22/21	7/22/21	07:42	aqueous		Adheres to Sample Acceptance Policy
229571.07	072221-A13	7/22/21	7/22/21	08:11	aqueous		Adheres to Sample Acceptance Policy
229571.08	072221-A14	7/22/21	7/22/21	07:52	aqueous		Adheres to Sample Acceptance Policy
229571.09	072221-A17	7/22/21	7/22/21	07:44	aqueous		Adheres to Sample Acceptance Policy
229571.1	072221-A18	7/22/21	7/22/21	07:39	aqueous		Adheres to Sample Acceptance Policy
229571.11	072221-A19	7/22/21	7/22/21	08:00	aqueous		Adheres to Sample Acceptance Policy
229571.12	072221-A20	7/22/21	7/22/21	07:30	aqueous		Adheres to Sample Acceptance Policy
229571.13	072221-C1	7/22/21	7/22/21	08:36	aqueous		Adheres to Sample Acceptance Policy
229571.14	072221-C2	7/22/21	7/22/21	08:41	aqueous		Adheres to Sample Acceptance Policy
229571.15	072221-C3	7/22/21	7/22/21	08:52	aqueous		Adheres to Sample Acceptance Policy
229571.16	072221-C4	7/22/21	7/22/21	08:56	aqueous		Adheres to Sample Acceptance Policy
229571.17	072221-C5	7/22/21	7/22/21	08:58	aqueous		Adheres to Sample Acceptance Policy
229571.18	072221-C6	7/22/21	7/22/21	09:01	aqueous		Adheres to Sample Acceptance Policy
229571.19	072221-C10	7/22/21	7/22/21	09:06	aqueous		Adheres to Sample Acceptance Policy
229571.2	072221-C12	7/22/21	7/22/21	09:09	aqueous		Adheres to Sample Acceptance Policy
229571.21	072221-C15	7/22/21	7/22/21	08:46	aqueous		Adheres to Sample Acceptance Policy
229571.22	072221-C16	7/22/21	7/22/21	08:49	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

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- *Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.*
- *Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.*
- *Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.*

SAMPLE CONDITIONS PAGE

EAI ID#: **229571**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Temperature upon receipt (°C): 21.3 **Received on ice or cold packs (Yes/No): N**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
229571.23	072221-D1	7/22/21	7/22/21	09:16	aqueous		Adheres to Sample Acceptance Policy
229571.24	072221-D2	7/22/21	7/22/21	09:18	aqueous		Adheres to Sample Acceptance Policy
229571.25	072221-D8	7/22/21	7/22/21	09:22	aqueous		Adheres to Sample Acceptance Policy
229571.26	072221-D15	7/22/21	7/22/21	09:23	aqueous		Adheres to Sample Acceptance Policy
229571.27	072221-D22	7/22/21	7/22/21	09:28	aqueous		Adheres to Sample Acceptance Policy
229571.28	072221-D29	7/22/21	7/22/21	09:30	aqueous		Adheres to Sample Acceptance Policy
229571.29	072221-D33	7/22/21	7/22/21	09:32	aqueous		Adheres to Sample Acceptance Policy
229571.3	072221-D34	7/22/21	7/22/21	09:39	aqueous		Adheres to Sample Acceptance Policy
229571.31	072221-E11	7/22/21	7/22/21	10:04	aqueous		Adheres to Sample Acceptance Policy
229571.32	072221-E10	7/22/21	7/22/21	10:02	aqueous		Adheres to Sample Acceptance Policy
229571.33	072221-E12	7/22/21	7/22/21	10:08	aqueous		Adheres to Sample Acceptance Policy
229571.34	072221-E13	7/22/21	7/22/21	10:11	aqueous		Adheres to Sample Acceptance Policy
229571.35	072221-E14	7/22/21	7/22/21	10:13	aqueous		Adheres to Sample Acceptance Policy
229571.36	072221-E15	7/22/21	7/22/21	10:14	aqueous		Adheres to Sample Acceptance Policy
229571.37	072221-E16	7/22/21	7/22/21	10:15	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- *Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.*
- *Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.*
- *Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.*
- *Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.*

LABORATORY REPORT

EAI ID#: **229571**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	072221-A02	072221-A03	072221-A08	072221-A10					
Lab Sample ID:	229571.01	229571.02	229571.03	229571.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	< 0.001	< 0.001	**0.0017**	< 0.001	AqTot	mg/L	7/23/21	200.8	DS

Sample ID:	072221-A11	072221-A12	072221-A13	072221-A14					
Lab Sample ID:	229571.05	229571.06	229571.07	229571.08					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	**0.0024**	**0.037**	**0.016**	**0.0014**	AqTot	mg/L	7/23/21	200.8	DS

LABORATORY REPORT

EAI ID#: **229571**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	072221-A17	072221-A18	072221-A19	072221-A20					
Lab Sample ID:	229571.09	229571.1	229571.11	229571.12					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	**0.0032**	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/23/21	200.8	DS

Sample ID:	072221-C1	072221-C2	072221-C3	072221-C4					
Lab Sample ID:	229571.13	229571.14	229571.15	229571.16					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/23/21	200.8	DS

LABORATORY REPORT

EAI ID#: **229571**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	072221-C5	072221-C6	072221-C10	072221-C12					
Lab Sample ID:	229571.17	229571.18	229571.19	229571.2					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	**0.0015**	< 0.001	**0.0019**	< 0.001	AqTot	mg/L	7/23/21	200.8	DS

Sample ID:	072221-C15	072221-C16	072221-D1	072221-D2					
Lab Sample ID:	229571.21	229571.22	229571.23	229571.24					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analy**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	< 0.001	< 0.001	**0.0051**	< 0.001	AqTot	mg/L	7/23/21	200.8	D

LABORATORY REPORT

EAI ID#: **229571**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	072221-D8	072221-D15	072221-D22	072221-D29					
Lab Sample ID:	229571.25	229571.26	229571.27	229571.28					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	7/23/21	200.8	DS

Sample ID:	072221-D33	072221-D34	072221-E11	072221-E10					
Lab Sample ID:	229571.29	229571.3	229571.31	229571.32					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	< 0.001	< 0.001	**0.0019**	**0.0023**	AqTot	mg/L	7/23/21	200.8	DS

LABORATORY REPORT

EAI ID#: **229571**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	072221-E12	072221-E13	072221-E14	072221-E15					
Lab Sample ID:	229571.33	229571.34	229571.35	229571.36					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	7/22/21	7/22/21	7/22/21	7/22/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21	7/22/21	7/22/21	7/22/21					
Lead	**0.0020**	**0.0011**	**0.0057**	**0.0015**	AqTot	mg/L	7/23/21	200.8	DS

Sample ID:	072221-E16								
Lab Sample ID:	229571.37								
Matrix:	aqueous								
Date Sampled:	7/22/21				**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/22/21								
Lead	**0.0013**				AqTot	mg/L	7/23/21	200.8	DS

QC REPORT

EAI ID#: **229571**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Parameter Name	Blank	LCS	LCSD		Units	Date of Analysis	Limits	RPD	Method
Lead	< 0.001	0.21 (103 %R)		NA	mg/L	7/23/21	85 - 115	20	200.8
Lead	< 0.001	0.21 (103 %R)		NA	mg/L	7/23/21	85 - 115	20	200.8

Drinking Water Lead Batch A and B QC

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

Eastern Analytical, Inc.

professional laboratory and drilling services

Kara Forsythe
RPF Environmental, Inc.
320 First NH Turnpike
Northwood , NH 03261

Laboratory Report for:

Eastern Analytical, Inc. ID: 230435
Client Identification: SAU 26 | 21.0572
Date Received: 8/11/2021

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

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< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Certifications:
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References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 8.24.21 Date | 4 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **230435**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Temperature upon receipt (°C): 25 **Received on ice or cold packs (Yes/No): N**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
230435.01	081121 A12	8/11/21	8/11/21	07:10	aqueous		Adheres to Sample Acceptance Policy
230435.02	081121 A13	8/11/21	8/11/21	07:12	aqueous		Adheres to Sample Acceptance Policy
230435.03	081121 A16	8/11/21	8/11/21	07:06	aqueous		Adheres to Sample Acceptance Policy
230435.04	081121 B4	8/11/21	8/11/21	08:18	aqueous		Adheres to Sample Acceptance Policy
230435.05	081121 B17	8/11/21	8/11/21	08:15	aqueous		Adheres to Sample Acceptance Policy
230435.06	081121 E17	8/11/21	8/11/21	07:57	aqueous		Adheres to Sample Acceptance Policy
230435.07	081121 E18	8/11/21	8/11/21	07:54	aqueous		Adheres to Sample Acceptance Policy
230435.08	081121 F19	8/11/21	8/11/21	07:28	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- *Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.*
- *Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.*
- *Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.*
- *Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.*

LABORATORY REPORT

EAI ID#: **230435**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Sample ID:	081121 A12	081121 A13	081121 A16	081121 B4					
Lab Sample ID:	230435.01	230435.02	230435.03	230435.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/11/21	8/11/21	8/11/21	8/11/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/11/21	8/11/21	8/11/21	8/11/21					
Lead	**0.010**	**0.020**	< 0.001	< 0.001	AqTot	mg/L	8/12/21	200.8	DS

Sample ID:	081121 B17	081121 E17	081121 E18	081121 F19					
Lab Sample ID:	230435.05	230435.06	230435.07	230435.08					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	8/11/21	8/11/21	8/11/21	8/11/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/11/21	8/11/21	8/11/21	8/11/21					
Lead	< 0.001	**0.0020**	**0.0067**	< 0.001	AqTot	mg/L	8/12/21	200.8	DS

QC REPORT

EAI ID#: **230435**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 | 21.0572**

Parameter Name	Blank	LCS	LCSD		Units	Date of Analysis	Limits	RPD	Method
Lead	< 0.001	0.19 (97 %R)		NA	mg/L	8/12/21	85 - 115	20	200.8

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

Eastern Analytical, Inc.

professional laboratory and drilling services

Kara Forsythe
RPF Environmental, Inc.
320 First NH Turnpike
Northwood , NH 03261

Laboratory Report for:

Eastern Analytical, Inc. ID: 230947
Client Identification: SAU 26 / 21.0572
Date Received: 8/20/2021

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

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%R : % Recovery

Certifications:
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References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 8.26.21 Date | 4 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **230947**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 / 21.0572**

Temperature upon receipt (°C): 19.5 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
230947.01	082021-A13	8/20/21	8/20/21	07:10	aqueous		Adheres to Sample Acceptance Policy
230947.02	082021-A21	8/20/21	8/20/21	07:15	aqueous		Adheres to Sample Acceptance Policy
230947.03	082021-F13	8/20/21	8/20/21	07:32	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- *Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.*
- *Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.*
- *Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.*
- *Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.*

LABORATORY REPORT

EAI ID#: **230947**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 / 21.0572**

Sample ID:	082021-A13	082021-A21	082021-F13					
Lab Sample ID:	230947.01	230947.02	230947.03					
Matrix:	aqueous	aqueous	aqueous					
Date Sampled:	8/20/21	8/20/21	8/20/21	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	8/20/21	8/20/21	8/20/21					
Lead	**0.0041**	**0.0024**	**0.0017**	AqTot	mg/L	8/25/21	200.8	DS

QC REPORT

EAI ID#: **230947**

Client: **RPF Environmental, Inc.**

Client Designation: **SAU 26 / 21.0572**

Parameter Name	Blank	LCS	LCSD		Units	Date of Analysis	Limits	RPD	Method
Lead	< 0.001	0.20 (102 %R)		NA	mg/L	8/25/21	85 - 115	20	200.8

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted, flagged data does not impact the sample data.

APPENDIX C

Appendix E – Water Cooler Summary

The Lead Contamination Control Act (LCCA), which amended the Safe Drinking Water Act, was signed into law on October 31, 1988 (P.L. 100-572). The potential of water coolers to supply lead to drinking water in schools and child care centers was a principal focus of this legislation. Specifically, the LCCA mandated that the Consumer Product Safety Commission (CPSC) order the repair, replacement, or recall and refund of drinking water coolers with lead-lined water tanks. In addition, the LCCA called for a ban on the manufacture or sale in interstate commerce of drinking water coolers that are not lead-free. Civil and criminal penalties were established under the law for violations of this ban. With respect to a water cooler that may come in contact with drinking water, the LCCA defined the term "lead-free" to mean:

"not more than 8 percent lead, except that no drinking water cooler which contains any solder, flux, or storage tank interior surface which may come in contact with drinking water shall be considered lead-free if the solder, flux, or storage tank interior surface contains more than 0.2 percent lead."

Another component of the LCCA was the requirement that EPA publish and make available to the states a list of drinking water coolers, by brand and model, that are not lead-free. In addition, EPA was to publish and make available to the states a separate list of the brand and model of water coolers with a lead-lined tank. EPA is required to revise and republish these lists as new information or analyses become available.

Based on responses to a Congressional survey in the winter of 1988, three major manufacturers, the Halsey Taylor Company, EBCO Manufacturing Corporation, and Sunroc Corporation, indicated that lead solder had been used in at least some models of their drinking water coolers. On April 10, 1988, EPA proposed in the *Federal Register* (at 54 *FR* 14320) lists of drinking water coolers with lead-lined tanks and coolers that are not lead-free. Public comments were received on the notice, and the list was revised and published on January 18, 1990 (Part III, 55 *FR* 1772). *See Table E-2 for a list of water coolers and lead components.*

Prior to publication of the January 1990 list, EPA determined that Halsey Taylor was the only manufacturer of water coolers with lead-lined tanks.[1] Table E-1 presents a listing of model numbers of the Halsey Taylor drinking water coolers with lead-lined tanks that had been identified by EPA as of January 18, 1990.

[1]Based upon an analysis of 22 water coolers at a US Navy facility and subsequent data obtained by EPA, EPA believes the most serious cooler contamination problems are associated with water coolers that have lead-lined tanks.

Since the LCCA required the CPSC to order manufacturers of coolers with lead-lined tanks to repair, replace or recall and provide a refund of such coolers, the CPSC negotiated such an agreement with Halsey Taylor through a consent order published on June 1, 1990 (at 55 *FR* 22387). The consent agreement calls on Halsey Taylor to provide a replacement or refund program that addresses all the water coolers listed in Table E-2 as well as "all tank-type models of drinking water coolers manufactured by Halsey Taylor, whether or not those models are included on the present or on a future EPA list." Under the consent order, Halsey Taylor agreed to notify the public of the replacement and refund program for all tank type models.

SPECIAL NOTE:
Experience indicates that newly installed brass plumbing components containing 8 percent or less lead, as allowed by the SDWA, can contribute high lead levels to drinking water for a considerable period after installation. U.S. water cooler manufacturers have notified EPA that since September 1993, the components of water coolers that come in contact with drinking water have been made with non-lead alloy materials. These materials include stainless steel for fittings and water control devices, brass made of 60 percent copper and 40 percent zinc, terillium copper, and food grade plastic.

Currently, a company formerly associated with Halsey Taylor, Scotsman Ice Systems, has assumed responsibility for replacement of lead-line coolers previously marketed by Halsey Taylor. See below for the address of Scotsman Ice Systems.

Scotsman Ice Systems
775 Corporate Woods Parkway
Vernon Hills, IL 60061
PH: (800) SCOTSMAN or 800-726-8762
PH: (847) 215-4500

Table E-1
Halsey Taylor Water Coolers With Lead-Lined Tanks[2]

The following six model numbers have one or more units in the model series with lead-lined tanks:

WM8A	WT8A	GC10ACR	GC10A	GC5A	RWM13A

The following models and serial numbers contain lead-lined tanks:

WM14A Serial No. 843034	WM14A Serial No. 843006	WT11A Serial No. 222650
WT21A Serial No. 64309550	WT21A Serial No. 64309542	LL14A Serial No. 64346908

[2]Based upon an analysis of 22 water coolers at a US Navy facility and subsequent data obtained by EPA, EPA believes the most serious cooler contamination problems are associated with water coolers that have lead-lined tanks.

Table E-2
Water Coolers With Other Lead Components

EBCO Manufacturing

All pressure bubbler water coolers with shipping dates from 1962 through 1977 have a bubbler valve containing lead. The units contain a single, 50-50 tin-lead solder joint on the bubbler valve. Model numbers for coolers in this category are not available.

The following models of pressure bubbler coolers produced from 1978 through 1981 contain one 50-50 tin-lead solder joint each.

CP3	DP15W	DPM8	7P	13P	DPM8H	DP15M	DP3R	DP8A
DP16M	DP5S	C10E	PX-10	DP7S	DP13SM	DP7M	DP7MH	DP7WMD
WTC10	DP13M-60	DP14M	CP10-50	CP5	CP5M	DP15MW	DP3R	DP14S
DP20-50	DP7SM	DP10X	DP13A	DP13A-50	EP10F	DP5M	DP10F	CP3H
CP3-50	DP13M	DP3RH	DP5F	CP3M	EP5F	13PL	DP8AH	DP13S
CP10	DP20	DP12N	DP7WM	DP14A-50/60				

Halsey Taylor

1. Lead solder was used in these models of water coolers manufactured between 1978 and the last week of 1987:

WMA-1	SCWT/SCWT-A	SWA-1	DC/DHC-1
S3/5/10D	BFC-4F/7F/4FS/7FS	S300/500/100D	

2. The following coolers manufactured for Haws Drinking Faucet Company (Haws) by Halsey Taylor from November 1984 through December 18, 1987, are not lead-free because they contain 2 tin-lead solder joints. The model designations for these units are as follows:

HC8WT	HC14F	HC6W	HWC7D	HC8WTH	HC14FH	HC8W	HC2F	HC14WT
HC14FL	HC14W	HC2FH	HC14WTH	HC8FL	HC4F	HC5F	HC14WL	HCBF7D
HC4FH	HC10F	HC16WT	HCBF7HO	HC8F	HC8FH	HC4W	HWC7	

If you have one of the Halsey Taylor water coolers noted in Table E-2, contact Scotsman Ice Systems *(address and phone noted above)* to learn more about the requirements surrounding their replacement and rebate program.

APPENDIX D

LIMITATIONS

1. The observations and conclusions presented in the Report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the RPF Environmental, Inc. Scope of Work (SOW) as discussed in the proposal and/or agreement. The conclusions and recommendations are based on visual observations and testing, limited as indicated in the Report, and were arrived at in accordance with generally accepted standards of industrial hygiene practice and asbestos professionals. The nature of this survey or monitoring service was limited as indicated herein and in the report or letter of findings. Further testing, survey, and analysis is required to provide more definitive results and findings.

2. For site survey work, observations were made of the designated accessible areas of the site as indicated in the Report. While it was the intent of RPF to conduct a survey to the degree indicated, it is important to note that not all suspect ACBM material in the designated areas were specifically assessed and visibility was limited, as indicated, due to the presence of furnishings, equipment, solid walls and solid or suspended ceilings throughout the facility and/or other site conditions. Asbestos or hazardous material may have been used and may be present in areas where detection and assessment is difficult until renovation and/or demolition proceeds. Access and observations relating to electrical and mechanical systems within the building were restricted or not feasible to prevent damage to the systems and minimize safety hazards to the survey team.

3. Although assumptions may have been stated regarding the potential presence of inaccessible or concealed asbestos and other hazardous material, full inspection findings for all asbestos and other hazardous material requires the use of full destructive survey methods to identify possible inaccessible suspect material and this level of survey was not included in the SOW for this project. For preliminary survey work, sampling and analysis as applicable was limited and a full survey throughout the site was not performed. Only the specific areas and /or materials indicated in the report were included in the SOW. This inspection did not include a full hazard assessment survey, full testing or bulk material, or testing to determine current dust concentrations of asbestos in and around the building. Inspection results should not be used for compliance with current EPA and State asbestos in renovation/demolition requirements unless specifically stated as intended for this use in the RPF report and considering the limitations as stated therein and within this limitations document.

4. Where access to portions of the surveyed area was unavailable or limited, RPF renders no opinion of the condition and assessment of these areas. The survey results only apply to areas specifically accessed by RPF during the survey. Interiors of mechanical equipment and other building or process equipment may also have asbestos and other hazardous material present and were not included in this inspection. For renovation and demolition work, further inspection by qualified personnel will be required during the course of construction activity to identify suspect material not previously documented at the site or in this survey report. Bordering properties were not investigated and comprehensive file review and research was not performed.

5. For lead in paint, observations were made of the designated accessible areas of the site as indicated in the Report. Limited testing may have been performed to the extent indicated in the text of the report. In order to conduct thorough hazard assessments for lead exposures, representative surface dust testing, air monitoring and other related testing throughout the building, should be completed. This type of in depth testing and analysis was beyond the scope of services for the initial inspection. For lead surveys with XRF readings, it is recommended that surfaces found to have LBP or trace amount of lead detected with readings of less than 4 mg/cm^2 be confirmed using laboratory analysis if more definitive results are required. Substrate corrections involving destructive sampling or damage to existing surfaces (to minimize XRF read-through) were not completed. In some instances, destructive testing may be required for more accurate results. In addition, depending on the specific thickness of the paint films on different areas of a building component, differing amounts of wear, and other factors, XRF readings can vary slightly, even on the same building component. Unless otherwise specifically stated in the scope of services and final report, lead testing performed is not intended to comply with other state and federal regulations pertaining to childhood lead poisoning regulations.

6. Air testing is to be considered a "snap shot" of conditions present on the day of the survey with the understanding that conditions may differ at other times or dates or operational conditions for the facility. Results are also limited based on the specific analytical methods utilized. For phase contrast microscopy (PCM) total airborne fiber testing, more sensitive asbestos-specific analysis using transmission electron microscopy (TEM) can be performed upon request.

7. For asbestos bulk and dust testing, although polarize light microscopy (PLM) is the method currently recognized in State and federal regulations for asbestos identification in bulk samples, some industry studies have found that PLM may not be sensitive enough to detect all of the asbestos fibers in certain nonfriable material, vermiculate type insulation, soils, surface dust, and other materials requiring more sensitive analysis to identify possible asbestos fibers. In the event that more definitive results are requested, RPF recommends that confirmation testing be completed using TEM methods or other analytical methods as may be applicable to the material. Detection of possible asbestos fibers may be made more difficult by the presence of other non-asbestos fibrous components such as cellulose, fiber glass, etc., by binder/matrix materials which may mask or obscure fibrous components, and/or by exposure to conditions capable of altering or transforming asbestos. PLM can show significant bias leading to false negatives and false positives for certain types of materials. PLM is limited by the visibility of the asbestos fibers. In some samples the fibers may be reduced to a diameter so small or masked by coatings to such an extent that they cannot be reliably observed or identified using PLM.

8. For hazardous building material inspection or survey work, RPF followed applicable industry standards; however, RPF does not warrant or certify that all asbestos or other hazardous materials in or on the building has been identified and included in this report. Various assumptions and limitations of the methods can result in missed materials or misidentification of materials due to several factors including but not limited to: inaccessible space due to physical or safety constraints, space that is difficult to reach to fully inspect, assumptions regarding the determination of homogenous groups of suspect material, assumptions regarding attempts to conduct representative sampling, and potential for varying mixtures and layers of material sampled not being representative of all areas of similar material.

9. Full assessments often requires multiple rounds of sampling over a period of time for air, bulk material, surface dust and water. Such comprehensive testing was beyond the scope of RPF services. In addition clearance testing for abatement, as applicable, was based on the visual observations and limited ambient area air testing as indicated in the report and in accordance with applicable state and federal regulations. The potential exists that microscopic surface dust remains with contaminant present even in the event that the clearance testing meets the state and federal requirements. Likewise for building surveys, visual observations are not sufficient alone to detect possible contaminant in settled dust. Unless otherwise specifically indicated in the report, surface dust testing was not included in the scope of the RPF services.

10. For abatement or remediation monitoring services: RPF is not responsible for observations and test for specific periods of work that RPF did not perform full shift monitoring of construction, abatement or remediation activity. In the event that problems occurred or concerns arouse regarding contamination, safety or health hazards during periods RPF was not onsite, RPF is not responsible to provide documentation or assurances regarding conditions, safety, air testing results and other compliance issues. RPF may have provided recommendations to the Client, as needed, pertaining to the Client's Contractor compliance with the technical specifications, schedules, and other project related issues as agreed and based on results of RPF monitoring work. However, actual enforcement, or waiving of, contract provisions and requirements as well as regulatory liabilities shall be the responsibility of Client and Client's Contractor(s). Off-site abatement activities, such as waste transportation and disposal, were not monitored or inspected by RPF.

11. For services limited to clearance testing following abatement or remediation work by other parties: The testing was limited to clearance testing only and as indicated in the report and a site assessment for possible environmental health and safety hazards was not performed as part of the scope of this testing. Client, or Client's abatement contractor as applicable, was responsible for performing visual inspections

of the work area to determine completeness of work prior to air clearance testing by RPF.

12. For site work, including but not limited to air clearance testing services, in which RPF did not provide full site safety and health oversight, abatement design, full shift monitoring of all site activity, RPF expresses no warranties, guarantees or certifications of the abatement work conducted by the Client or other employers at the job site(s), conditions during the work, or regulatory compliance, with the exception of the specific airborne concentrations as indicated by the air clearance test performed by RPF during the conditions present for the clearance testing. Unless otherwise specifically noted in the RPF Report, visual inspections and air clearance testing results apply only to the specific work area and conditions present during the testing. RPF did not perform visual inspections of surfaces not accessible in the work area due to the presence of containment barriers or other obstructions. In these instances, some contamination may be present following RPF clearance testing and such contamination may be exposed during and after removal of the containment barriers or other obstructions following RPF testing services. Client or Client's Contractor is responsible for using appropriate care and inspection to identify potential hazards and to remediate such hazards as necessary to ensure compliance and a safe environment.

13. The survey was limited to the material and/or areas as specifically designated in the report and a site assessment for other possible environmental health and safety hazards or subsurface pollution was not performed as part of the scope of this site inspection. Typically, hazardous building materials such as asbestos, lead paint, PCBs, mercury, refrigerants, hydraulic fluids and other hazardous product and materials may be present in buildings. The survey performed by RPF only addresses the specific items as indicated in the Report.

14. For mold and moisture survey services, RPF services did not include design or remediation of moisture intrusion. Some level of mold will remain at the site regardless of RPF testing and Contractor or Client cleaning efforts. RPF testing associated with mold remediation and assessments is limited and may or may not be representative of other surfaces and locations at the site. Mold growth will occur if moisture intrusion deficiencies have not been fully remedied and if the site or work areas are not maintained in a sufficiently dry state. Porous surfaces in mold contaminated areas which are not removed and disposed of will likely result in future spore release, allergen sources, or mold contamination.

15. Existing reports, drawings, and analytical results provided by the Client to RPF, as applicable, were not verified and, as such, RPF has relied upon the data provided as indicated, and has not conducted an independent evaluation of the reliability of these data.

16. Where sample analyses were conducted by an outside laboratory, RPF has relied upon the data provided, and has not conducted an independent evaluation of the reliability of this data.

17. All hazard communication and notification requirements, as required by U.S. OSHA regulation 29 CFR Part 1926, 29 CFR Part 1910, and other applicable rules and regulations, by and between the Client, general contractors, subcontractors, building occupants, employees and other affected persons were the responsibility of the Client and are not part of the RPF SOW.

18. The applicability of the observations and recommendations presented in this report to other portions of the site was not determined. Many accidents, injuries and exposures and environmental conditions are a result of individual employee/employer actions and behaviors, which will vary from day to day, and with operations being conducted. Changes to the site and work conditions that occur subsequent to the RPF inspection may result in conditions which differ from those present during the survey and presented in the findings of the report.