Field Environmental
consulting

8612 Eagle Creek Parkway, Savage, MN 55378-1284
Tel: 952 746-5880 ◆ Fax: 952 746-5882
mailbox@FieldConsultingInc.com

May 18, 2018

ISD #831
6100 North 210th Street
Forest Lake, MN 55025
Attn: Bill Schwartz

RE: **Final Report - First Draw Lead in Drinking Water Sampling**
SITES: **Columbus, Forest Lake, & Forest View Elementary**
PROJECT #: **18111**

I. INTRODUCTION

This report presents the results of testing for lead in drinking water using first draw sampling following the Minnesota Department of Health (MDH) guide "Reducing Lead in Drinking Water: A Technical Guidance and Model Plan for Minnesota's Public Schools (Revision April 2018)."

Per the MDH guide, Field Environmental Consulting, Inc. (FIELD ENVIRONMENTAL) tested water outlets using *high* and *medium* priority sampling strategies for the following three (3) schools per District request:

- Columbus Elementary
- Forest Lake Elementary
- Forest View Elementary

Samples were collected by FIELD ENVIRONMENTAL on May 3rd & 8th, 2018.

II. DISCUSSION

Lead is a toxic metal that is harmful to human health when it is ingested or inhaled. Unlike other environmental contaminates, lead is stored in bones and can be released over time into the bloodstream. Lead exposure is a serious health concern, especially for young children and infants. Children's bodies absorb more of the lead they are exposed to than adults. Exposure to high levels of lead in children and infants may result in developmental delays, lower IQ's, hearing loss, hyperactivity, and learning disabilities. Children under the age of six are the most at risk population. Damage from lead exposure in children is permanent. Fortunately, the impacts of lead exposure can be minimized with good nutrition, a stimulating education, and a supportive environment.

High blood lead levels in adults have been linked to increased blood pressure, poor muscle coordination, nerve damage, decreased fertility, and hearing and vision impairment. Pregnant women and their fetuses are especially vulnerable to lead exposure since lead can significantly harm the fetus, causing lower birth weight and slowing normal mental and physical developments.

The only way to determine how much lead may be present in drinking water is to have the water tested. Per Minnesota Statute, Section 121A.335, *Lead in School Drinking Water*, schools are required to test each tap used for drinking or food preparation at least once every five years.

III. METHODOLOGY

FIELD ENVIRONMENTAL collected first draw samples. First draw samples are collected prior to the fixture being used or flushed for the day when water has sat undisturbed in the plumbing system for at least six (6) hours; not exceeding eighteen (18) hours. Water was collected immediately in the morning before it could be used for other purposes. First draw samples were collected using sterile 250 milliliter (mL)

sampling bottles. The bottles were filled to the top, capped, recorded, and transported to a certified drinking water laboratory. Results from first draw sampling indicate lead levels for water that has been in direct contact with the tap or fixture and the section of plumbing closest to the outlet. Analysis was conducted by Pace Analytical Services, Inc. of Minneapolis, Minnesota using EPA Method 200.8 ICPMS for determination of lead in drinking water. Pace Analytical Services, Inc. provided results in micrograms/Liter (µg/L) which is also commonly expressed as parts per billion (ppb).

IV. RESULTS

A complete table of all sample locations and corresponding results is provided in Appendix A. Building maps indicating sampling locations and color-coded results are provided in Appendix B. Pace Analytical laboratory reports are provided in Appendix C.

Fifty-nine (59) samples were collected at Columbus Elementary.

Forty-five (45) samples were collected at Forest Lake Elementary.

Eighty-three (83) samples were collected at Forest View Elementary.

V. INTERPRETATION OF RESULTS

Given that lead is still found in many environments and products, it is also important to recognize that attaining zero exposure to lead in drinking water may not be reasonable, or even possible.

MDH developed the following table, Recommended Lead Hazard Reduction Options, to provide perspective on interpreting lead in drinking water results. The concentration ranges represent increasing levels of lead and should not be used as strict thresholds.

Lead Level At The Tap	Lead Hazard Reduction Options
< 2 ppb or Non-Detected	• Lead was not detected. Tap may be used as normal; • Record result and test again in 5 years; and • Make all test results and lead education materials accessible to the community, such as on a website, or annual report, and available upon request.
2 ppb to 20 ppb*	The tap may be used for cooking and drinking water while steps are taken to reduce overall exposure. A higher number of taps with elevated results increases the urgency to implement hazard reduction. Options include: • Retest the sample tap and attempt to more accurately determine the source of the lead; consider monitoring tap more frequently until the source of lead is found and removed; • Consider the feasibility of flushing or other steps to minimize lead exposure, including limiting softened water supplies to hot water taps only, taking into account other actions that the school may already have in place; • Make all test results and lead education materials accessible to the community, such as on a website, or annual report, and available upon request.
> 20 ppb*	Action should be taken to reduce exposure. The specific action(s) taken will be dependent on individual school conditions. Options include: • Remove tap from service until problem is demonstrably corrected by replacement, a flushing program, filtration, or treatment; • Do *not* use tap for cooking or drinking water; • Retest the tap and attempt to determine the source of the lead; If the tap is not replaced, consider monitoring tap more frequently, such as annually, until the source of lead is found and removed; • Implement a flushing protocol or other lead hazard reduction option; sampling should be use to evaluate effectiveness; • Make all test results and lead education materials accessible to the community, such as on a website, or annual report, and available upon request; and • Provide targeted communication and education to individuals, parents, and staff members that routinely use that tap.

*MDH strongly recommends that schools take remedial action if samples from drinking water taps produce lead levels greater than 20 ppb.

Columbus Elementary:

One (1) out of the fifty-nine (59) samples was above the recommended limit of 20 ppb.

School Name: Columbus Elementary (CB) Date: 5/3/2018					
Floor	**Room Number**	**Location**	**Sample ID**	**Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle**	**Lead Result (ppb)**
First Floor	-	Kitchen	3	S	**36.8**

Seven (7) out of the fifty-nine (59) samples had results less than or equal to 20 ppb but greater than 2 ppb.

School Name: Columbus Elementary (CB) Date: 5/3/2018					
Floor	**Room Number**	**Location**	**Sample ID**	**Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle**	**Lead Result (ppb)**
First Floor	-	Kitchen	1	S	**10.5**
First Floor	-	Kitchen	2	S	**3**
First Floor	-	Kitchen	4	S	**17.9**
First Floor	-	Dishroom	6	S	**3.1**
First Floor	-	Resource	7	S	**5.2**
First Floor	-	Hallway Outside 128	38	DF	**3.1**
First Floor	102	Classroom	55	S	**2.8**

All other results were less than 2 ppb or none detected.

Forest Lake Elementary:

None of the samples were above the recommended limit of 20 ppb.

Five (5) out of the forty-five (45) samples had results less than or equal to 20 ppb but greater than 2 ppb.

School Name: Forest Lake Elementary (FL) **Date: 5/3/2018**					
Floor	**Room Number**	**Location**	**Sample ID**	**Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle**	**Lead Result (ppb)**
First Floor	-	Kitchen	2	K	**7.3**
First Floor	-	Kitchen	6	S	**2.6**
First Floor	-	Kitchen	7	S	**4.7**
First Floor	-	Kitchen	8	S	**4.8**
First Floor	113	Classroom	32	DF	**4**

All other results were less than 2 ppb or none detected.

Forest View Elementary:

One (1) out of the eighty-three (83) samples was above the recommended limit of 20 ppb.

School Name: Forest View Elementary (FV) **Date: 5/3/2018**					
Floor	**Room Number**	**Location**	**Sample ID**	**Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle**	**Lead Result (ppb)**
First Floor	-	Kitchen	1	S	**21.5**

Forty-six (46) out of the eighty-three (83) samples had results less than or equal to 20 ppb but greater than 2 ppb.

School Name: Forest View Elementary (FV) **Date: 5/3/2018**					
Floor	**Room Number**	**Location**	**Sample ID**	**Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle**	**Lead Result (ppb)**
First Floor	-	Kitchen	2	S	**14.3**
First Floor	-	Kitchen	3	S	**9.9**
First Floor	-	Kitchen	5	S	**2**
First Floor	-	Kitchen	6	S	**12.1**
First Floor	102	Classroom	9	S	**12**
First Floor	102	Classroom	10	DF	**9.6**

School Name: Forest View Elementary (FV)

Date: 5/3/2018

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First Floor	103	Classroom	11	S	**3.2**
First Floor	103	Classroom	12	DF	**3.1**
First Floor	104	Classroom	13	S	**3.1**
First Floor	104	Classroom	14	DF	**3.2**
First Floor	105	Classroom	17	S	**3.2**
First Floor	105	Classroom	18	DF	**2.6**
First Floor	106	Classroom	19	S	**4**
First Floor	106	Classroom	20	DF	**4.1**
First Floor	107	Classroom	23	S	**18.1**
First Floor	107	Classroom	24	DF	**3.1**
First Floor	108	Classroom	25	S	**4.8**
First Floor	108	Classroom	26	DF	**2.9**
First Floor	109	Classroom	27	S	**4.4**
First Floor	109	Classroom	28	DF	**3**
First Floor	110	Classroom	29	DF	**3.2**
First Floor	110	Classroom	30	S	**5.1**
First Floor	112	Classroom	31	DF	**6.3**
First Floor	112	Classroom	32	S	**4.6**
First Floor	143	Classroom	39	S	**7**
First Floor	143	Classroom	40	DF	**4.8**
First Floor	145	Classroom	41	S	**5.5**
First Floor	130	Classroom	43	DF	**2.9**
First Floor	130	Classroom	44	S	**5.7**
First Floor	131	Classroom	45	S	**6**
First Floor	131	Classroom	46	DF	**6**
First Floor	129	Classroom	47	S	**4**
First Floor	129	Classroom	48	DF	**3.5**
First Floor	-	Hallway Near 126	49	DF	**2.7**
First Floor	128	Classroom	50	DF	**3.1**
First Floor	128	Classroom	51	S	**3.1**
First Floor	127	Classroom	52	S	**3.2**
First Floor	127	Classroom	53	DF	**2.9**
First Floor	126	Classroom	54	S	**2.6**
First Floor	126	Classroom	55	DF	**2.6**
First Floor	125	Classroom	56	S	**4**

School Name: Forest View Elementary (FV) **Date: 5/3/2018**					
Floor	**Room Number**	**Location**	**Sample ID**	**Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle**	**Lead Result (ppb)**
First Floor	125	Classroom	57	DF	**2.6**
First Floor	124	Classroom	58	S	**2.4**
First Floor	124	Classroom	59	DF	**2.1**
First Floor	134	Classroom	60	S	**2.6**
First Floor	122	Lounge	63	S	**4.3**

All other results were less than 2 ppb or none detected.

VI. RECOMMENDATIONS

Priority should be given to correct those taps/fixtures with lead levels greater than 20 ppb.

If the school receives its water from a Community Public Water System (CPWS), the school is encouraged to work with them to assess the source contribution of lead coming into the school and if the school has a lead service line. For schools on their own well, the only way to characterize lead contribution from the water source is to test the water coming into the building.

Using the MDH Recommended Lead Hazard Reduction Options, options to mitigate lead in drinking water include:

- Remove tap/fixture from service or replace with “lead free” components. Attempt to determine the source of lead. An example would include cleaning the aerator, resampling, and determining if that was the source of lead. Aerator screens may accumulate lead-containing debris. If lead concentrations remain, replace components with “lead free” materials.
- Institute a flushing program (interim or long-term option).
  - *Individual flushing* – implement if lead concentrations are found to be high at certain taps. Flush tap/fixture each day school is in session; site-specific conditions will determine how long and how many times a tap needs to be flushed to reduce lead content. As a general guideline, run each tap for two (2) to three (3) minutes in the morning before students arrive. After weekends or breaks, run each tap for ten (10) to fifteen (15) minutes before students return to school. Flush samples should be collected and analyzed for lead to confirm the effectiveness of the flushing program. Document the flushing program. Consider posting a sign to indicate the need for flushing prior to consuming the water.
  - *Main pipe flushing* – implement if lead concentrations are found to be high throughout the entire school. Flush tap/fixture each day school is in session; site-specific conditions will determine how long and how often a tap needs to be flushed to reduce lead content. Begin by flushing tap furthest away from the water source for at least ten (10) minutes. Next flush the tap second furthest away and continue in this manner until all taps have been flushed. Flush samples should be collected and analyzed for lead to confirm the effectiveness of the flushing program. Document the flushing program. Consider posting a sign to indicate the need for flushing prior to consuming the water.
- Treatment using a “point of use (POU)” device (ex. faucet mount cartridge filter) or by adjusting the water chemistry at the “point of entry (POE)” into the building (ex. water softener). It is strongly

encouraged that the POU device is approved to meet NSF Standard 53, NSF Standard 58, or an equivalent standard. POU devices may be subject to Department of Labor and Industry (DLI) or local administrative authority plan review and approval prior to installation. All POE treatments must be approved by MDH prior to installation.

Water from other fixtures such as bathroom taps, hose bibs, or custodial closet sinks which are not normally deigned for human consumption should be clearly marked as such, otherwise, the District should conduct lead in water testing on those additional taps/fixtures.

ISD #831 is required to communicate lead in drinking water results. School employees, students, and parents shall be informed of the results within a reasonable time. Results of first draw sampling and any follow-up testing should be easily accessible along with documentation of lead hazard reduction options.

MDH collaborated with the Minnesota Department of Education (MDE) and developed a Communication Toolkit to aid schools with becoming educated regarding the requirements of the new lead legislation. The Toolkit contains easy-to-use communication templates, resources and tips.
http://www.health.state.mn.us/divs/eh/water/schools/toolkit.pdf

VII. REMARKS

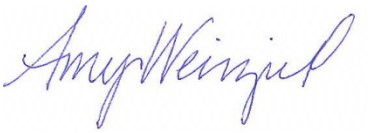
The environmental services performed by FIELD ENVIRONMENTAL's technicians, analysts and project managers for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report.

FIELD ENVIRONMENTAL appreciates the opportunity to provide services to meet your environmental needs. Any questions regarding the fieldwork, sample results or presented findings should be directed to Field Environmental Consulting, Inc.

PREPARED and REVIEWED BY:

Field Environmental Consulting, Inc.



Amy Weinzierl, CSP (#27824)
EHS Manager
Amy@fieldconsultinginc.com

Attachments
Appendix A: Locations and Results Tables
Appendix B: Drawings
Appendix C: Laboratory Reports

APPENDIX A

LOCATIONS AND RESULTS TABLES

Field Environmental
consulting

School Name: **Columbus Elementary (CB)**

Date: **5/3/2018**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First Floor	-	Kitchen	1	S	**10.5**
First Floor	-	Kitchen	2	S	**3**
First Floor	-	Kitchen	3	S	**36.8**
First Floor	-	Kitchen	4	S	**17.9**
First Floor	-	Dishroom	5	S	ND
First Floor	-	Dishroom	6	S	**3.1**
First Floor	-	Resource	7	S	**5.2**
First Floor	123	SAC Classroom	8	S	ND
First Floor	-	Hallway Outside Gym	9	WC	ND
First Floor	-	Hallway Outside Gym	10	WC	ND
First Floor	124	Classroom	11	S	ND
First Floor	-	Hallway Outside 124	12	WC	ND
First Floor	-	Hallway Outside 124	13	WC	ND
First Floor	-	Hallway Outside 124	14	BF	ND
First Floor	-	Hallway Outside Gym	15	BF	ND
First Floor	122	Classroom	16	S	ND
First Floor	120	Classroom	17	S	ND
First Floor	121	Classroom	18	S	ND
First Floor	119	Classroom	19	S	ND
First Floor	-	Hallway Outside 110A	20	WC	ND
First Floor	-	Hallway Outside 110A	21	WC	ND
First Floor	-	Hallway Outside 110A	22	BF	ND
First Floor	118	Classroom	23	S	ND
First Floor	116	Classroom	24	S	ND
First Floor	117	Classroom	25	S	ND
First Floor	115	Classroom	26	S	ND
First Floor	-	Hallway Outside 111	27	WC	ND
First Floor	-	Hallway Outside 111	28	WC	ND
First Floor	-	Hallway Outside 111	29	BF	ND
First Floor	114	Classroom	30	S	ND
First Floor	113	Classroom	31	S	ND
First Floor	129	Classroom	32	S	ND
First Floor	128	Classroom	33	S	ND
First Floor	128	Classroom	34	DF	ND
First Floor	127	Classroom	35	S	ND
First Floor	127	Classroom	36	DF	ND
First Floor	-	Hallway Outside 127	37	DF	ND
First Floor	-	Hallway Outside 128	38	DF	**3.1**
First Floor	126	Classroom	39	S	ND
First Floor	126	Classroom	40	DF	ND
First Floor	108	Classroom	41	S	ND
First Floor	107	Classroom	42	S	ND
First Floor	-	Hallway Outside 108	43	WC	ND
First Floor	-	Hallway Outside 108	44	WC	ND
First Floor	-	Hallway Outside 108	45	BF	ND
First Floor	106	Classroom	46	S	ND
First Floor	105	Classroom	47	S	ND
First Floor	104	Classroom	48	S	ND
First Floor	103	Classroom	49	S	ND
First Floor	109	Classroom	50	S	ND
First Floor	109	Classroom	51	S	ND
First Floor	-	Hallway Outside 104	52	WC	ND
First Floor	-	Hallway Outside 104	53	WC	ND
First Floor	-	Hallway Outside 104	54	BF	ND
First Floor	102	Classroom	55	S	**2.8**
First Floor	100	Classroom	56	S	ND

ND = none detected

Field Environmental consulting

School Name: **Columbus Elementary (CB)**

Date: **5/3/2018**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First Floor	-	Staff Lounge	57	S	ND
First Floor	-	Nurse	58	S	ND
First Floor	137	Classroom	59	S	ND

ND = none detected

Field Environmental consulting

School Name: **Forest Lake Elementary (FL)**
Date: **5/3/2018**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First Floor	-	Nurse	1	S	ND
First Floor	-	Kitchen	2	K	**7.3**
First Floor	-	Large Gym	3	DF	ND
First Floor	-	Kitchen	4	S	ND
First Floor	-	Kitchen	5	S	ND
First Floor	-	Kitchen	6	S	**2.6**
First Floor	-	Kitchen	7	S	**4.7**
First Floor	-	Kitchen	8	S	**4.8**
First Floor	-	Hallway Near Kitchen	9	BF	ND
First Floor	-	Hallway Near Kitchen	10	DF	ND
First Floor	-	Hallway Near Kitchen	11	DF	ND
First Floor	-	Lounge	12	S	ND
First Floor	-	Hallway Outside Kitchen	13	DF	ND
First Floor	-	Hallway Near 126	14	DF	ND
First Floor	-	Hallway Near 126	15	DF	ND
First Floor	127	Classroom	16	S	ND
First Floor	124	Classroom	17	S	ND
First Floor	125	Classroom	18	S	ND
First Floor	122	Classroom	19	S	ND
First Floor	123	Classroom	20	S	ND
First Floor	120	Classroom	21	S	ND
First Floor	121	Classroom	22	S	ND
First Floor	119	Classroom	23	S	ND
First Floor	-	Hallway Near 118	24	DF	ND
First Floor	-	Hallway Near 118	25	WC	ND
First Floor	-	Lounge Next to 119	26	S	ND
First Floor	-	Media Center Workroom	27	S	ND
First Floor	115	Classroom	28	S	ND
First Floor	114	Classroom	29	S	ND
First Floor	112A	Classroom	30	S	ND
First Floor	113	Classroom	31	S	ND
First Floor	113	Classroom	32	DF	**4**
First Floor	111	Classroom	33	S	ND
First Floor	110	Classroom	34	S	ND
First Floor	109	Classroom	35	S	ND
First Floor	108	Classroom	36	S	ND
First Floor	107	Classroom	37	S	ND
First Floor	106	Classroom	38	S	ND
First Floor	105	Classroom	39	S	ND
First Floor	-	Hall Between 104 & 106	40	WC	ND
First Floor	-	Hall Between 104 & 106	41	WC	ND
First Floor	-	Hall Between 104 & 106	42	BF	ND
First Floor	103	Classroom	43	S	ND
First Floor	102	Classroom	44	S	ND
First Floor	101	Classroom	45	S	ND

ND = none detected

Field Environmental consulting

School Name: **Forest View Elementary (FV)**
Date: **5/3/2018**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First Floor	-	Kitchen	1	S	**21.5**
First Floor	-	Kitchen	2	S	**14.3**
First Floor	-	Kitchen	3	S	**9.9**
First Floor	-	Kitchen	4	S	ND
First Floor	-	Kitchen	5	S	**2**
First Floor	-	Kitchen	6	S	**12.1**
First Floor	-	Kitchen	7	S	ND
First Floor	-	Kitchen	8	K	ND
First Floor	102	Classroom	9	S	**12**
First Floor	102	Classroom	10	DF	**9.6**
First Floor	103	Classroom	11	S	**3.2**
First Floor	103	Classroom	12	DF	**3.1**
First Floor	104	Classroom	13	S	**3.1**
First Floor	104	Classroom	14	DF	**3.2**
First Floor	-	Nurse	15	S	ND
First Floor	-	Hallway Mini Gym	16	DF	ND
First Floor	105	Classroom	17	S	**3.2**
First Floor	105	Classroom	18	DF	**2.6**
First Floor	106	Classroom	19	S	**4**
First Floor	106	Classroom	20	DF	**4.1**
First Floor	136	Classroom	21	S	ND
First Floor	136	Classroom	22	DF	ND
First Floor	107	Classroom	23	S	**18.1**
First Floor	107	Classroom	24	DF	**3.1**
First Floor	108	Classroom	25	S	**4.8**
First Floor	108	Classroom	26	DF	**2.9**
First Floor	109	Classroom	27	S	**4.4**
First Floor	109	Classroom	28	DF	**3**
First Floor	110	Classroom	29	DF	**3.2**
First Floor	110	Classroom	30	S	**5.1**
First Floor	112	Classroom	31	DF	**6.3**
First Floor	112	Classroom	32	S	**4.6**
First Floor	111	Classroom	33	S	ND
First Floor	111	Classroom	34	DF	ND
First Floor	141	Classroom	35	S	ND
First Floor	141	Classroom	36	DF	ND
First Floor	142	Classroom	37	S	ND
First Floor	142	Classroom	38	DF	ND
First Floor	143	Classroom	39	S	**7**
First Floor	143	Classroom	40	DF	**4.8**
First Floor	145	Classroom	41	S	**5.5**
SKIPPED NUMBER 42					
First Floor	130	Classroom	43	DF	**2.9**
First Floor	130	Classroom	44	S	**5.7**
First Floor	131	Classroom	45	S	**6**
First Floor	131	Classroom	46	DF	**6**
First Floor	129	Classroom	47	S	**4**
First Floor	129	Classroom	48	DF	**3.5**
First Floor	-	Hallway Near 126	49	DF	**2.7**
First Floor	128	Classroom	50	DF	**3.1**
First Floor	128	Classroom	51	S	**3.1**
First Floor	127	Classroom	52	S	**3.2**
First Floor	127	Classroom	53	DF	**2.9**
First Floor	126	Classroom	54	S	**2.6**
First Floor	126	Classroom	55	DF	**2.6**
First Floor	125	Classroom	56	S	**4**
First Floor	125	Classroom	57	DF	**2.6**

ND = none detected

Field Environmental consulting

School Name: **Forest View Elementary (FV)**
Date: **5/3/2018**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First Floor	124	Classroom	58	S	**2.4**
First Floor	124	Classroom	59	DF	**2.1**
First Floor	134	Classroom	60	S	**2.6**
First Floor	123	Classroom	61	S	ND
First Floor	123	Classroom	62	DF	ND
First Floor	122	Lounge	63	S	**4.3**
First Floor	122	Lounge	64	DF	ND
First Floor	182	Media Center Workroom	65	S	ND
First Floor	184	Classroom	66	DF	ND
First Floor	184	Classroom	67	S	ND
First Floor	186	Classroom	68	DF	ND
First Floor	186	Classroom	69	S	ND
First Floor	188	Classroom	70	DF	ND
First Floor	188	Classroom	71	S	ND
First Floor	189	Classroom	72	DF	ND
First Floor	189	Classroom	73	S	ND
First Floor	187	Classroom	74	S	ND
First Floor	187	Classroom	75	DF	ND
First Floor	185	Classroom	76	DF	ND
First Floor	185	Classroom	77	S	ND
First Floor	183	Classroom	78	DF	ND
First Floor	183	Classroom	79*	S	1.3
First Floor	181	Classroom	80	S	ND
First Floor	181	Classroom	81	DF	ND
First Floor	-	Outside Gym	82	WC	ND
First Floor	-	Outside Gym	83	WC	ND
First Floor	-	Hallway Near 141 & 142	84	DF	ND

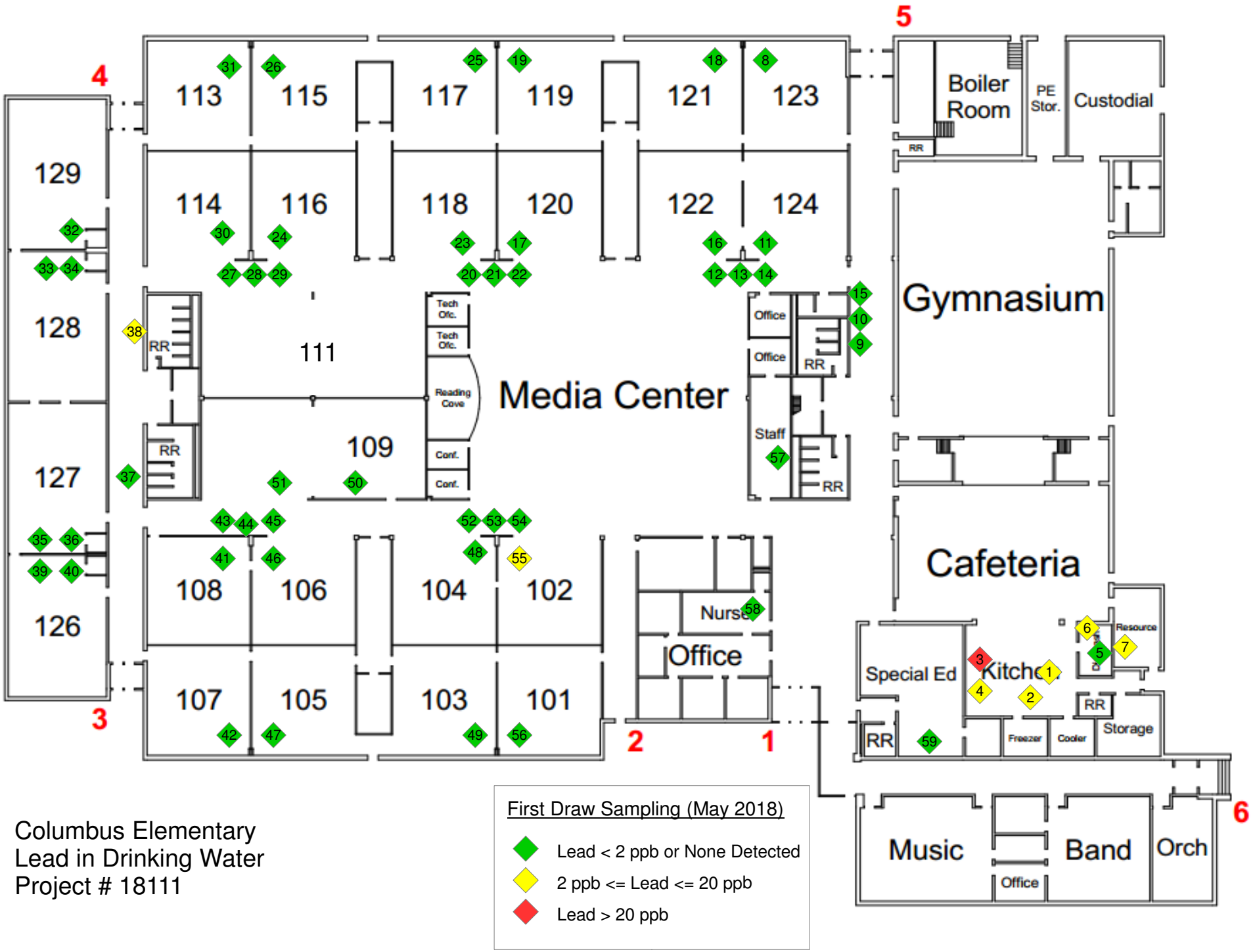
**Sample #79 collected on 5/8/2018*

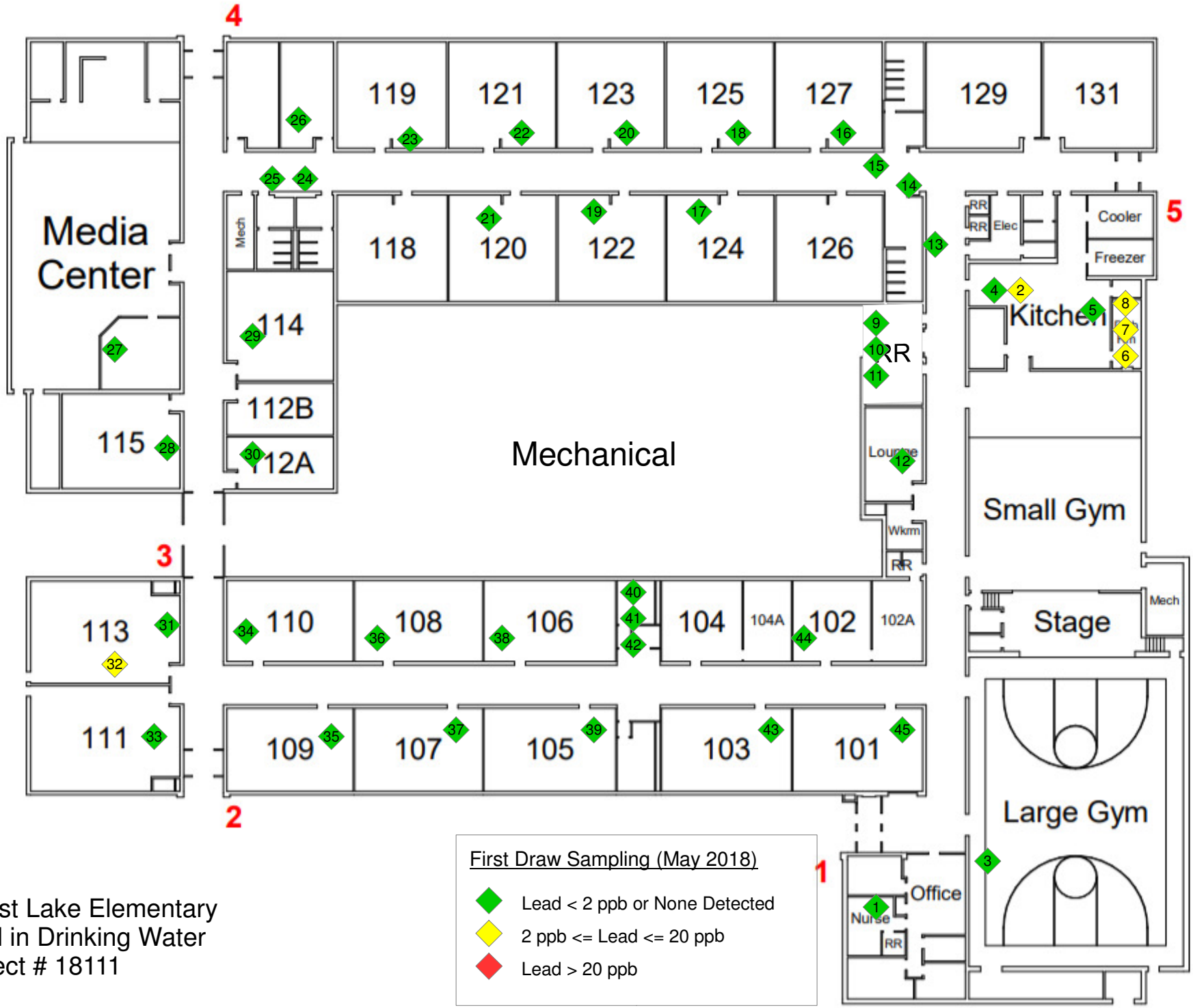
ND = none detected

Field Environmental consulting

APPENDIX B

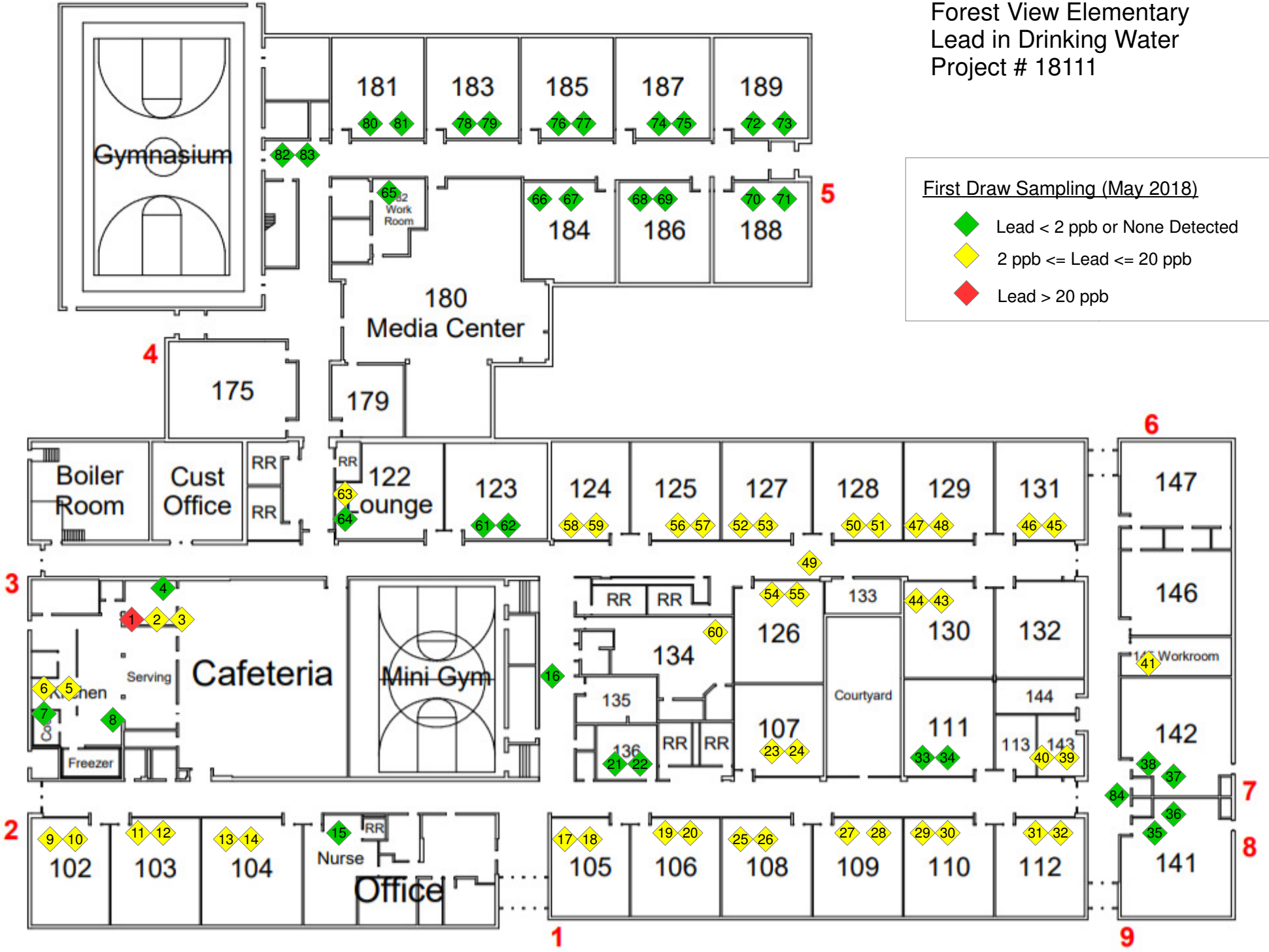
DRAWINGS


4
5
3
2
1
6
129
128
127
126
113
115
117
119
121
123
114
116
118
120
122
124
111
109
108
106
104
102
107
105
103
101
Boiler Room
PE Stor.
Custodial
RR
Gymnasium
Media Center
Tech Ofc.
Tech Ofc.
Reading Cove
Conf.
Conf.
Office
Office
RR
Staff
RR
RR
RR
Cafeteria
Nurse
Office
Special Ed
Kitchen
Resource
Freezer
Cooler
Storage
RR
RR
Music
Band
Orch
Office
First Draw Sampling (May 2018)
Lead < 2 ppb or None Detected
2 ppb <= Lead <= 20 ppb
Lead > 20 ppb
Columbus Elementary
Lead in Drinking Water
Project # 18111



Forest Lake Elementary
Lead in Drinking Water
Project # 18111

Forest View Elementary
Lead in Drinking Water
Project # 18111



APPENDIX C

LABORATORY REPORTS

Field Environmental consulting

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

May 10, 2018

Amy Weinzierl
Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

RE: Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on May 03, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kristin A Hanson
kristin.hanson@pacelabs.com
(218) 735-6700
Project Manager

Enclosures

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

CERTIFICATIONS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Virginia Minnesota Certification ID's

315 Chestnut Street, Virginia, MN 55792
Alaska Certification UST-107
Alaska Certification UST-107
California Certification #2973
California Certification #2973
Montana Certificate #CERT0103
Alaska Certification #MN01084
Arizona Department of Health Certification #AZ0785
Minnesota Dept of Health Certification #: 027-137-445
North Dakota Certification: # R-203
Wisconsin DNR Certification # : 998027470
WA Department of Ecology Lab ID# C1007
Nevada DNR #MN010842018-1
Oklahoma Department of Environmental Quality
California Certification #2973

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE SUMMARY

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Lab ID	Sample ID	Matrix	Date Collected	Date Received
12108091001	01-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091002	02-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091003	03-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091004	04-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091005	05-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091006	06-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091007	07-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091008	08-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091009	09-CB-WC	Water	05/03/18 06:00	05/03/18 23:30
12108091010	10-CB-WC	Water	05/03/18 06:00	05/03/18 23:30
12108091011	11-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091012	12-CB-WC	Water	05/03/18 06:00	05/03/18 23:30
12108091013	13-CB-WC	Water	05/03/18 06:00	05/03/18 23:30
12108091014	14-CB-BF	Water	05/03/18 06:00	05/03/18 23:30
12108091015	15-CB-BF	Water	05/03/18 06:00	05/03/18 23:30
12108091016	16-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091017	17-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091018	18-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091019	19-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091020	20-CB-WC	Water	05/03/18 06:00	05/03/18 23:30
12108091021	21-CB-WC	Water	05/03/18 06:00	05/03/18 23:30
12108091022	22-CB-BF	Water	05/03/18 06:00	05/03/18 23:30
12108091023	23-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091024	24-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091025	25-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091026	26-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091027	27-CB-WC	Water	05/03/18 06:00	05/03/18 23:30
12108091028	28-CB-WC	Water	05/03/18 06:00	05/03/18 23:30
12108091029	29-CB-BF	Water	05/03/18 06:00	05/03/18 23:30
12108091030	30-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091031	30-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091032	32-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091033	33-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091034	34-CB-DF	Water	05/03/18 06:00	05/03/18 23:30
12108091035	35-CB-S	Water	05/03/18 06:00	05/03/18 23:30
12108091036	36-CB-DF	Water	05/03/18 06:00	05/03/18 23:30
12108091037	37-CB-DF	Water	05/03/18 06:00	05/03/18 23:30

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE SUMMARY

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Lab ID	Sample ID	Matrix	Date Collected	Date Received
12108091038	**38-CB-DF**	Water	05/03/18 06:00	05/03/18 23:30
12108091039	**39-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091040	**40-CB-DF**	Water	05/03/18 06:00	05/03/18 23:30
12108091041	**41-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091042	**42-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091043	**43-CB-WC**	Water	05/03/18 06:00	05/03/18 23:30
12108091044	**44-CB-WC**	Water	05/03/18 06:00	05/03/18 23:30
12108091045	**45-CB-BF**	Water	05/03/18 06:00	05/03/18 23:30
12108091046	**46-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091047	**47-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091048	**48-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091049	**49-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091050	**50-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091051	**51-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091052	**52-CB-WC**	Water	05/03/18 06:00	05/03/18 23:30
12108091053	**53-CB-WC**	Water	05/03/18 06:00	05/03/18 23:30
12108091054	**54-CB-BF**	Water	05/03/18 06:00	05/03/18 23:30
12108091055	**55-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091056	**56-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091057	**57-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091058	**58-CB-S**	Water	05/03/18 06:00	05/03/18 23:30
12108091059	**59-CB-S**	Water	05/03/18 06:00	05/03/18 23:30

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE ANALYTE COUNT

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
12108091001	01-CB-S	EPA 200.8	JJH	1	PASI-V
12108091002	02-CB-S	EPA 200.8	JJH	1	PASI-V
12108091003	03-CB-S	EPA 200.8	JJH	1	PASI-V
12108091004	04-CB-S	EPA 200.8	JJH	1	PASI-V
12108091005	05-CB-S	EPA 200.8	JJH	1	PASI-V
12108091006	06-CB-S	EPA 200.8	JJH	1	PASI-V
12108091007	07-CB-S	EPA 200.8	JJH	1	PASI-V
12108091008	08-CB-S	EPA 200.8	JJH	1	PASI-V
12108091009	09-CB-WC	EPA 200.8	JJH	1	PASI-V
12108091010	10-CB-WC	EPA 200.8	JJH	1	PASI-V
12108091011	11-CB-S	EPA 200.8	JJH	1	PASI-V
12108091012	12-CB-WC	EPA 200.8	JJH	1	PASI-V
12108091013	13-CB-WC	EPA 200.8	JJH	1	PASI-V
12108091014	14-CB-BF	EPA 200.8	JJH	1	PASI-V
12108091015	15-CB-BF	EPA 200.8	JJH	1	PASI-V
12108091016	16-CB-S	EPA 200.8	JJH	1	PASI-V
12108091017	17-CB-S	EPA 200.8	JJH	1	PASI-V
12108091018	18-CB-S	EPA 200.8	JJH	1	PASI-V
12108091019	19-CB-S	EPA 200.8	JJH	1	PASI-V
12108091020	20-CB-WC	EPA 200.8	JJH	1	PASI-V
12108091021	21-CB-WC	EPA 200.8	JJH	1	PASI-V
12108091022	22-CB-BF	EPA 200.8	JJH	1	PASI-V
12108091023	23-CB-S	EPA 200.8	JJH	1	PASI-V
12108091024	24-CB-S	EPA 200.8	JJH	1	PASI-V
12108091025	25-CB-S	EPA 200.8	JJH	1	PASI-V
12108091026	26-CB-S	EPA 200.8	JJH	1	PASI-V
12108091027	27-CB-WC	EPA 200.8	JJH	1	PASI-V
12108091028	28-CB-WC	EPA 200.8	JJH	1	PASI-V
12108091029	29-CB-BF	EPA 200.8	JJH	1	PASI-V
12108091030	30-CB-S	EPA 200.8	JJH	1	PASI-V
12108091031	30-CB-S	EPA 200.8	JJH	1	PASI-V
12108091032	32-CB-S	EPA 200.8	JJH	1	PASI-V
12108091033	33-CB-S	EPA 200.8	JJH	1	PASI-V
12108091034	34-CB-DF	EPA 200.8	JJH	1	PASI-V
12108091035	35-CB-S	EPA 200.8	JJH	1	PASI-V
12108091036	36-CB-DF	EPA 200.8	JJH	1	PASI-V
12108091037	37-CB-DF	EPA 200.8	JJH	1	PASI-V

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE ANALYTE COUNT

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
12108091038	**38-CB-DF**	EPA 200.8	JJH	1	PASI-V
12108091039	**39-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091040	**40-CB-DF**	EPA 200.8	JJH	1	PASI-V
12108091041	**41-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091042	**42-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091043	**43-CB-WC**	EPA 200.8	JJH	1	PASI-V
12108091044	**44-CB-WC**	EPA 200.8	JJH	1	PASI-V
12108091045	**45-CB-BF**	EPA 200.8	JJH	1	PASI-V
12108091046	**46-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091047	**47-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091048	**48-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091049	**49-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091050	**50-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091051	**51-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091052	**52-CB-WC**	EPA 200.8	JJH	1	PASI-V
12108091053	**53-CB-WC**	EPA 200.8	JJH	1	PASI-V
12108091054	**54-CB-BF**	EPA 200.8	JJH	1	PASI-V
12108091055	**55-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091056	**56-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091057	**57-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091058	**58-CB-S**	EPA 200.8	JJH	1	PASI-V
12108091059	**59-CB-S**	EPA 200.8	JJH	1	PASI-V

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 01-CB-S **Lab ID: 12108091001** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**10.5**	ug/L	2.0	1		05/08/18 11:20	7439-92-1	

Sample: 02-CB-S **Lab ID: 12108091002** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.0**	ug/L	2.0	1		05/08/18 11:27	7439-92-1	

Sample: 03-CB-S **Lab ID: 12108091003** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**36.8**	ug/L	2.0	1		05/08/18 11:30	7439-92-1	

Sample: 04-CB-S **Lab ID: 12108091004** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**17.9**	ug/L	2.0	1		05/08/18 11:32	7439-92-1	

Sample: 05-CB-S **Lab ID: 12108091005** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 11:35	7439-92-1	

Sample: 06-CB-S **Lab ID: 12108091006** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.1**	ug/L	2.0	1		05/08/18 11:37	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 07-CB-S **Lab ID: 12108091007** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**5.2**	ug/L	2.0	1		05/08/18 11:39	7439-92-1	

Sample: 08-CB-S **Lab ID: 12108091008** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 11:42	7439-92-1	

Sample: 09-CB-WC **Lab ID: 12108091009** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 11:49	7439-92-1	

Sample: 10-CB-WC **Lab ID: 12108091010** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 11:51	7439-92-1	

Sample: 11-CB-S **Lab ID: 12108091011** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 11:54	7439-92-1	

Sample: 12-CB-WC **Lab ID: 12108091012** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 12:01	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 13-CB-WC **Lab ID: 12108091013** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 12:03	7439-92-1	

Sample: 14-CB-BF **Lab ID: 12108091014** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 12:05	7439-92-1	

Sample: 15-CB-BF **Lab ID: 12108091015** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 12:08	7439-92-1	

Sample: 16-CB-S **Lab ID: 12108091016** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/09/18 16:46	7439-92-1	

Sample: 17-CB-S **Lab ID: 12108091017** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 12:17	7439-92-1	

Sample: 18-CB-S **Lab ID: 12108091018** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 12:20	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 19-CB-S **Lab ID: 12108091019** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 12:22	7439-92-1	

Sample: 20-CB-WC **Lab ID: 12108091020** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 12:24	7439-92-1	

Sample: 21-CB-WC **Lab ID: 12108091021** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:05	7439-92-1	

Sample: 22-CB-BF **Lab ID: 12108091022** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:12	7439-92-1	

Sample: 23-CB-S **Lab ID: 12108091023** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:14	7439-92-1	

Sample: 24-CB-S **Lab ID: 12108091024** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:16	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 25-CB-S **Lab ID: 12108091025** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:19	7439-92-1	

Sample: 26-CB-S **Lab ID: 12108091026** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:21	7439-92-1	

Sample: 27-CB-WC **Lab ID: 12108091027** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:28	7439-92-1	

Sample: 28-CB-WC **Lab ID: 12108091028** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:31	7439-92-1	

Sample: 29-CB-BF **Lab ID: 12108091029** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:33	7439-92-1	

Sample: 30-CB-S **Lab ID: 12108091030** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:35	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 30-CB-S **Lab ID: 12108091031** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:38	7439-92-1	

Sample: 32-CB-S **Lab ID: 12108091032** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:45	7439-92-1	

Sample: 33-CB-S **Lab ID: 12108091033** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:47	7439-92-1	

Sample: 34-CB-DF **Lab ID: 12108091034** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:50	7439-92-1	

Sample: 35-CB-S **Lab ID: 12108091035** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:57	7439-92-1	

Sample: 36-CB-DF **Lab ID: 12108091036** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 10:59	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 37-CB-DF **Lab ID: 12108091037** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 11:01	7439-92-1	

Sample: 38-CB-DF **Lab ID: 12108091038** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.1**	ug/L	2.0	1		05/08/18 11:04	7439-92-1	

Sample: 39-CB-S **Lab ID: 12108091039** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 11:06	7439-92-1	

Sample: 40-CB-DF **Lab ID: 12108091040** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 11:09	7439-92-1	

Sample: 41-CB-S **Lab ID: 12108091041** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:17	7439-92-1	

Sample: 42-CB-S **Lab ID: 12108091042** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:24	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 43-CB-WC **Lab ID: 12108091043** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:26	7439-92-1	

Sample: 44-CB-WC **Lab ID: 12108091044** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:29	7439-92-1	

Sample: 45-CB-BF **Lab ID: 12108091045** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:31	7439-92-1	

Sample: 46-CB-S **Lab ID: 12108091046** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:34	7439-92-1	

Sample: 47-CB-S **Lab ID: 12108091047** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:36	7439-92-1	

Sample: 48-CB-S **Lab ID: 12108091048** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:46	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 49-CB-S **Lab ID: 12108091049** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:48	7439-92-1	

Sample: 50-CB-S **Lab ID: 12108091050** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:51	7439-92-1	

Sample: 51-CB-S **Lab ID: 12108091051** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 17:53	7439-92-1	

Sample: 52-CB-WC **Lab ID: 12108091052** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 18:00	7439-92-1	

Sample: 53-CB-WC **Lab ID: 12108091053** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 18:02	7439-92-1	

Sample: 54-CB-BF **Lab ID: 12108091054** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 18:05	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Sample: 55-CB-S **Lab ID: 12108091055** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.8**	ug/L	2.0	1		05/07/18 18:07	7439-92-1	

Sample: 56-CB-S **Lab ID: 12108091056** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 18:14	7439-92-1	

Sample: 57-CB-S **Lab ID: 12108091057** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 18:17	7439-92-1	

Sample: 58-CB-S **Lab ID: 12108091058** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 18:19	7439-92-1	

Sample: 59-CB-S **Lab ID: 12108091059** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 18:21	7439-92-1	

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

QC Batch: 142294 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108091041, 12108091042, 12108091043, 12108091044, 12108091045, 12108091046, 12108091047, 12108091048, 12108091049, 12108091050, 12108091051, 12108091052, 12108091053, 12108091054, 12108091055, 12108091056, 12108091057, 12108091058, 12108091059

METHOD BLANK: 562634 Matrix: Drinking Water
Associated Lab Samples: 12108091041, 12108091042, 12108091043, 12108091044, 12108091045, 12108091046, 12108091047, 12108091048, 12108091049, 12108091050, 12108091051, 12108091052, 12108091053, 12108091054, 12108091055, 12108091056, 12108091057, 12108091058, 12108091059

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/07/18 17:15	

LABORATORY CONTROL SAMPLE: 562635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	484	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562636 562637

Parameter	Units	12108091041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	476	475	95	95	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562638 562639

Parameter	Units	12108091051 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	462	465	92	93	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

QC Batch: 142325 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108091021, 12108091022, 12108091023, 12108091024, 12108091025, 12108091026, 12108091027, 12108091028, 12108091029, 12108091030, 12108091031, 12108091032, 12108091033, 12108091034, 12108091035, 12108091036, 12108091037, 12108091038, 12108091039, 12108091040

METHOD BLANK: 562696 Matrix: Drinking Water
Associated Lab Samples: 12108091021, 12108091022, 12108091023, 12108091024, 12108091025, 12108091026, 12108091027, 12108091028, 12108091029, 12108091030, 12108091031, 12108091032, 12108091033, 12108091034, 12108091035, 12108091036, 12108091037, 12108091038, 12108091039, 12108091040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/08/18 10:00	

LABORATORY CONTROL SAMPLE: 562697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	501	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562698 562699

Parameter	Units	12108091021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	516	526	103	105	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562700 562701

Parameter	Units	12108091031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	515	530	103	106	70-130	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

QC Batch: 142326 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108091001, 12108091002, 12108091003, 12108091004, 12108091005, 12108091006, 12108091007, 12108091008, 12108091009, 12108091010, 12108091011, 12108091012, 12108091013, 12108091014, 12108091015, 12108091017, 12108091018, 12108091019, 12108091020

METHOD BLANK: 562709 Matrix: Drinking Water
Associated Lab Samples: 12108091001, 12108091002, 12108091003, 12108091004, 12108091005, 12108091006, 12108091007, 12108091008, 12108091009, 12108091010, 12108091011, 12108091012, 12108091013, 12108091014, 12108091015, 12108091017, 12108091018, 12108091019, 12108091020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/08/18 11:11	

LABORATORY CONTROL SAMPLE: 562710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	516	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562711 562712

Parameter	Units	12108091001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	10.5	500	500	533	544	104	107	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562713 562714

Parameter	Units	12108091011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	523	529	105	106	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

QC Batch: 142508 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108091016

METHOD BLANK: 563441 Matrix: Drinking Water
Associated Lab Samples: 12108091016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/09/18 17:02	

LABORATORY CONTROL SAMPLE: 563442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	449	90	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563443 563444

Parameter	Units	12108093072 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	442	444	88	89	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563445 563446

Parameter	Units	12108106005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	443	450	89	90	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALIFIERS

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-V Pace Analytical Services - Virginia

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
12108091001	01-CB-S	EPA 200.8	142326		
12108091002	02-CB-S	EPA 200.8	142326		
12108091003	03-CB-S	EPA 200.8	142326		
12108091004	04-CB-S	EPA 200.8	142326		
12108091005	05-CB-S	EPA 200.8	142326		
12108091006	06-CB-S	EPA 200.8	142326		
12108091007	07-CB-S	EPA 200.8	142326		
12108091008	08-CB-S	EPA 200.8	142326		
12108091009	09-CB-WC	EPA 200.8	142326		
12108091010	10-CB-WC	EPA 200.8	142326		
12108091011	11-CB-S	EPA 200.8	142326		
12108091012	12-CB-WC	EPA 200.8	142326		
12108091013	13-CB-WC	EPA 200.8	142326		
12108091014	14-CB-BF	EPA 200.8	142326		
12108091015	15-CB-BF	EPA 200.8	142326		
12108091016	16-CB-S	EPA 200.8	142508		
12108091017	17-CB-S	EPA 200.8	142326		
12108091018	18-CB-S	EPA 200.8	142326		
12108091019	19-CB-S	EPA 200.8	142326		
12108091020	20-CB-WC	EPA 200.8	142326		
12108091021	21-CB-WC	EPA 200.8	142325		
12108091022	22-CB-BF	EPA 200.8	142325		
12108091023	23-CB-S	EPA 200.8	142325		
12108091024	24-CB-S	EPA 200.8	142325		
12108091025	25-CB-S	EPA 200.8	142325		
12108091026	26-CB-S	EPA 200.8	142325		
12108091027	27-CB-WC	EPA 200.8	142325		
12108091028	28-CB-WC	EPA 200.8	142325		
12108091029	29-CB-BF	EPA 200.8	142325		
12108091030	30-CB-S	EPA 200.8	142325		
12108091031	30-CB-S	EPA 200.8	142325		
12108091032	32-CB-S	EPA 200.8	142325		
12108091033	33-CB-S	EPA 200.8	142325		
12108091034	34-CB-DF	EPA 200.8	142325		
12108091035	35-CB-S	EPA 200.8	142325		
12108091036	36-CB-DF	EPA 200.8	142325		
12108091037	37-CB-DF	EPA 200.8	142325		
12108091038	38-CB-DF	EPA 200.8	142325		
12108091039	39-CB-S	EPA 200.8	142325		
12108091040	40-CB-DF	EPA 200.8	142325		
12108091041	41-CB-S	EPA 200.8	142294		
12108091042	42-CB-S	EPA 200.8	142294		
12108091043	43-CB-WC	EPA 200.8	142294		
12108091044	44-CB-WC	EPA 200.8	142294		
12108091045	45-CB-BF	EPA 200.8	142294		
12108091046	46-CB-S	EPA 200.8	142294		
12108091047	47-CB-S	EPA 200.8	142294		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ISD 831 Columbus 18111
Pace Project No.: 12108091

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
12108091048	**48-CB-S**	EPA 200.8	142294		
12108091049	**49-CB-S**	EPA 200.8	142294		
12108091050	**50-CB-S**	EPA 200.8	142294		
12108091051	**51-CB-S**	EPA 200.8	142294		
12108091052	**52-CB-WC**	EPA 200.8	142294		
12108091053	**53-CB-WC**	EPA 200.8	142294		
12108091054	**54-CB-BF**	EPA 200.8	142294		
12108091055	**55-CB-S**	EPA 200.8	142294		
12108091056	**56-CB-S**	EPA 200.8	142294		
12108091057	**57-CB-S**	EPA 200.8	142294		
12108091058	**58-CB-S**	EPA 200.8	142294		
12108091059	**59-CB-S**	EPA 200.8	142294		

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. A

WO#: 12108091

PM: KAH Due Date: 05/18/18

CLIENT: FIELD ENV

Field Environmental Consulting
3612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

52-746-5880

Section B — Required Project Information:

Report To: Amy Weinzurl

Copy To:

Purchase Order No.:

Project Name: ISD 831 Columbus

Project Number: 18111

Section C — Invoice Information:

Attention: Jenny

Company Name: Some

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #: 17781 #1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): Ph Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	01-CB-S	DW	G			5-3-18	6:00		1	X									X		001
2	02-CB-S																				002
3	03-CB-S																				003
4	04-CB-S																				004
5	05-CB-S																				005
6	06-CB-S																				006
7	07-CB-S																				007
8	08-CB-S																				008
9	09-CB-WC																				009
10	10-CB-WC																				010
11	11-CB-S																				011
12	12-CB-WC																				012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Nicole Field	5/3/18	9:45	Pace	5-3-18	1016	21.5	N	N	Y
	Pace	5/03/18	1935	RJ Chap	5-3-18	1845	21.4			
	RJ Chap	5-3-18	2330	B. Matthews	5/4/18	1000	21.0	AM/B		

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nicole Field

SIGNATURE of SAMPLER: Nicole Field DATE Signed (MM/DD/YY): 5/3/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section B — Required Project Information:
Report To: Amy Weirzion
Copy To:
Purchase Order No.:
Project Name: ISD 831 Columbus
Project Number: 18111

Section C — Invoice Information:
Attention: Jenny Field
Company Name: same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781 #1

Page: 2 of 5
2279806

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MN

Section D — Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	13-CB-WC																				013
2	14-CB-BF	DW	G						1												014
3	15-CB-BF					5-3-18	6:00			X											015
4	16-CB-S																				016
5	17-CB-S																				017
6	18-CB-S																				018
7	19-CB-S																				019
8	20-CB-WC																				020
9	21-CB-WC																				021
10	22-CB-BF																				022
11	23-CB-S																				023
12	24-CB-S																				024

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Nicole Field	5/3/18	9:45			
PACE	5/03/18	1435	PACE	5-3-18	1016

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
21.5	N	N	Y
21.6			
21.0			

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nicole Field
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 5/3/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 5

2279807

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Section B — Required Project Information:

Report To: Amy Weinzerl
Copy To:
Purchase Order No.:
Project Name: FSD 831 Columbus
Project Number: 18111

Section C — Invoice Information:

Attention: Jenny Field
Company Name: same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781 #1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☑ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	25-CB-S	DW	G			5/3/18	6:00		1	X									X		025
2	26-CB-S																				026
3	27-CB-WC																				027
4	28-CB-WC																				028
5	29-CB-BF																				029
6	30-CB-S																				030
7	31-CB-S																				031
8	32-CB-S																				032
9	33-CB-S																				033
10	34-CB-DF																				034
11	35-CB-S																				035
12	36-CB-DF																				036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Nicole Field	5/3/18	9:45							
	[illegible] PACE	5/03/18	1435		5-3-18	1016	21.5	N	N	Y
							21.6			
							21.0			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nicole Field
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5/3/18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section B — Required Project Information:
Report To: Amy Wermund
Copy To:
Purchase Order No.:
Project Name: ISD 831 Columbus
Project Number: 18111

Section C — Invoice Information:
Attention: Jenny Field
Company Name: same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781 #1

Page: 4 of 5
227980

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☒ DRINKING WAT
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MN

Section D — Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	37-CB-DF	DW	G			5-3-18	6:00		1									Y	Pb lead 200.8		037
2	38-CB-DF																				038
3	39-CB-S																				039
4	40-CB-DF																				040
5	41-CB-S																				041
6	42-CB-S																				042
7	43-CB-WC																				043
8	44-CB-WC																				044
9	45-CB-BF																				045
10	46-CB-S																				046
11	47-CB-S																				047
12	48-CB-S																				048

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Nicole Field	5/3/18	9:45				
PACE	5/03/18	1435	PACE	5-3-18	1016	21-5 N N Y
						21-6
						21-0

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nicole Field
SIGNATURE of SAMPLER:
DATE Signed

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid

IAIN-OF-CUSTODY / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 5

2279809

Section C
Invoice Information:

Attention: Jenny Field
Company Name: same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781 #1

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Requested Analysis Filtered (Y/N)

ITEM #	Sam	TE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb level 20ug/L	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	49	-18	6:00		1	X									X		049
2	S0 - CB - S																050
3	S1 - CB - S																051
4	S2 - CB - WC																052
5	S3 - CB - WC																053
6	S4 - CB - BF																054
7	S5 - CB - S																055
8	S6 - CB - S																056
9	S7 - CB - S																057
10	S8 - CB - S																058
11	S9 - CB - S																059
12																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Nicole Field	5/3/18	9:45	PACE	5-3-18	1016	21.5	N	N	Y
	[illegible] @PACE	5/03/18	1435				21.6			
							21.0			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nicole Field
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5/3/18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Minneapolis Service Center Cooler Transfer Check List

Client: FRED GNU. CONSULT

Destination Lab: VERSENA

Received with Custody Seal: Yes (No)

Custody Seal Intact: Yes No (NA)

	Temp Read	Corrected Temp	Correction Factor
Temperature C: IR Gun:	AMB	—	AMBIENT

☐ Samples on ice, cooling process has begun

Rush/Short Hold: N/A

Containers Intact: (Yes) No

Re-packed and Re-Iced: CT (NO ICE NEEDED)

Temp Blank Included: Yes (No)

Shipped By/Date: 5/03/18

Notes:

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 15Mar2016 Page 1 of 1
	Document No.: F-VM-C-001-Rev.10	Issuing Authority: Pace Virginia, Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Field Env. Consult.

WO#: 12108091

12108091

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Cl ☐ Commercial ☒ Pace ☐ Other:

Tracking Number:

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other:

Thermometer Used: ☐ 140792808 Type of Ice: ☐ Wet ☐ Blue ☒ None ☐ Samples on ice, cooling process has begun

Temp Blank? ☐ Yes ☒ No

Cooler Temp Read °C: Cooler Temp Corrected °C: AMB

Temp should be above freezing to 6°C Correction Factor:

Biological Tissue Frozen? ☐ Yes ☐ No ☒ NA

Date and Initials of Person Examining Contents: BM 5/4/18

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5. If Fecal: ☐ <8 hours ☐ >8, <24 hours ☐ >24 hours
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved containers.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☒ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation will be checked and documented in the pH logbook.	☒ Yes	☐ No	☐ N/A	See pH log for results and additional preservation documentation
Headspace in Methyl Mercury Container	☐ Yes	☐ No	☒ N/A	13.
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Date/Time: Field Data Required? ☐ Yes ☐ No

Comments/Resolution:

FECAL WAIVER ON FILE Y N TEMPERATURE WAIVER ON FILE Y N

Project Manager Review: Date: 5/4/18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

May 10, 2018

Amy Weinzierl
Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

RE: Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on May 03, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Kristin A Hanson
kristin.hanson@pacelabs.com
(218) 735-6700
Project Manager

Enclosures

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

CERTIFICATIONS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Virginia Minnesota Certification ID's

315 Chestnut Street, Virginia, MN 55792
Alaska Certification UST-107
Alaska Certification UST-107
California Certification #2973
California Certification #2973
Montana Certificate #CERT0103
Alaska Certification #MN01084
Arizona Department of Health Certification #AZ0785
Minnesota Dept of Health Certification #: 027-137-445
North Dakota Certification: # R-203
Wisconsin DNR Certification # : 998027470
WA Department of Ecology Lab ID# C1007
Nevada DNR #MN010842018-1
Oklahoma Department of Environmental Quality
California Certification #2973

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE SUMMARY

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Lab ID	Sample ID	Matrix	Date Collected	Date Received
12108090001	01-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090002	02-FL-K	Water	05/03/18 07:00	05/03/18 23:30
12108090003	03-FL-DF	Water	05/03/18 07:00	05/03/18 23:30
12108090004	04-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090005	05-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090006	06-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090007	07-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090008	08-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090009	09-FL-BF	Water	05/03/18 07:00	05/03/18 23:30
12108090010	10-FL-DF	Water	05/03/18 07:00	05/03/18 23:30
12108090011	11-FL-DF	Water	05/03/18 07:00	05/03/18 23:30
12108090012	12-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090013	13-FL-DF	Water	05/03/18 07:00	05/03/18 23:30
12108090014	14-FL-DF	Water	05/03/18 07:00	05/03/18 23:30
12108090015	15-FL-DF	Water	05/03/18 07:00	05/03/18 23:30
12108090016	16-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090017	17-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090018	18-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090019	19-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090020	20-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090021	21-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090022	22-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090023	23-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090024	24-FL-DF	Water	05/03/18 07:00	05/03/18 23:30
12108090025	25-FL-WC	Water	05/03/18 07:00	05/03/18 23:30
12108090026	26-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090027	27-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090028	28-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090029	29-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090030	30-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090031	31-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090032	32-FL-DF	Water	05/03/18 07:00	05/03/18 23:30
12108090033	33-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090034	34-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090035	35-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090036	36-FL-S	Water	05/03/18 07:00	05/03/18 23:30
12108090037	37-FL-S	Water	05/03/18 07:00	05/03/18 23:30

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE SUMMARY

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Lab ID	Sample ID	Matrix	Date Collected	Date Received
12108090038	**38-FL-S**	Water	05/03/18 07:00	05/03/18 23:30
12108090039	**39-FL-S**	Water	05/03/18 07:00	05/03/18 23:30
12108090040	**40-FL-WC**	Water	05/03/18 07:00	05/03/18 23:30
12108090041	**41-FL-WC**	Water	05/03/18 07:00	05/03/18 23:30
12108090042	**42-FL-BF**	Water	05/03/18 07:00	05/03/18 23:30
12108090043	**43-FL-S**	Water	05/03/18 07:00	05/03/18 23:30
12108090044	**44-FL-S**	Water	05/03/18 07:00	05/03/18 23:30
12108090045	**45-FL-S**	Water	05/03/18 07:00	05/03/18 23:30

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE ANALYTE COUNT

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
12108090001	01-FL-S	EPA 200.8	JJH	1	PASI-V
12108090002	02-FL-K	EPA 200.8	JJH	1	PASI-V
12108090003	03-FL-DF	EPA 200.8	JJH	1	PASI-V
12108090004	04-FL-S	EPA 200.8	JJH	1	PASI-V
12108090005	05-FL-S	EPA 200.8	JJH	1	PASI-V
12108090006	06-FL-S	EPA 200.8	JJH	1	PASI-V
12108090007	07-FL-S	EPA 200.8	JJH	1	PASI-V
12108090008	08-FL-S	EPA 200.8	JJH	1	PASI-V
12108090009	09-FL-BF	EPA 200.8	JJH	1	PASI-V
12108090010	10-FL-DF	EPA 200.8	JJH	1	PASI-V
12108090011	11-FL-DF	EPA 200.8	JJH	1	PASI-V
12108090012	12-FL-S	EPA 200.8	JJH	1	PASI-V
12108090013	13-FL-DF	EPA 200.8	JJH	1	PASI-V
12108090014	14-FL-DF	EPA 200.8	JJH	1	PASI-V
12108090015	15-FL-DF	EPA 200.8	JJH	1	PASI-V
12108090016	16-FL-S	EPA 200.8	JJH	1	PASI-V
12108090017	17-FL-S	EPA 200.8	JJH	1	PASI-V
12108090018	18-FL-S	EPA 200.8	JJH	1	PASI-V
12108090019	19-FL-S	EPA 200.8	JJH	1	PASI-V
12108090020	20-FL-S	EPA 200.8	JJH	1	PASI-V
12108090021	21-FL-S	EPA 200.8	JJH	1	PASI-V
12108090022	22-FL-S	EPA 200.8	JJH	1	PASI-V
12108090023	23-FL-S	EPA 200.8	JJH	1	PASI-V
12108090024	24-FL-DF	EPA 200.8	JJH	1	PASI-V
12108090025	25-FL-WC	EPA 200.8	JJH	1	PASI-V
12108090026	26-FL-S	EPA 200.8	JJH	1	PASI-V
12108090027	27-FL-S	EPA 200.8	JJH	1	PASI-V
12108090028	28-FL-S	EPA 200.8	JJH	1	PASI-V
12108090029	29-FL-S	EPA 200.8	JJH	1	PASI-V
12108090030	30-FL-S	EPA 200.8	JJH	1	PASI-V
12108090031	31-FL-S	EPA 200.8	JJH	1	PASI-V
12108090032	32-FL-DF	EPA 200.8	JJH	1	PASI-V
12108090033	33-FL-S	EPA 200.8	JJH	1	PASI-V
12108090034	34-FL-S	EPA 200.8	JJH	1	PASI-V
12108090035	35-FL-S	EPA 200.8	JJH	1	PASI-V
12108090036	36-FL-S	EPA 200.8	JJH	1	PASI-V
12108090037	37-FL-S	EPA 200.8	JJH	1	PASI-V

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE ANALYTE COUNT

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
12108090038	**38-FL-S**	EPA 200.8	JJH	1	PASI-V
12108090039	**39-FL-S**	EPA 200.8	JJH	1	PASI-V
12108090040	**40-FL-WC**	EPA 200.8	JJH	1	PASI-V
12108090041	**41-FL-WC**	EPA 200.8	JJH	1	PASI-V
12108090042	**42-FL-BF**	EPA 200.8	JJH	1	PASI-V
12108090043	**43-FL-S**	EPA 200.8	JJH	1	PASI-V
12108090044	**44-FL-S**	EPA 200.8	JJH	1	PASI-V
12108090045	**45-FL-S**	EPA 200.8	JJH	1	PASI-V

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Sample: 01-FL-S **Lab ID: 12108090001** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:34	7439-92-1	

Sample: 02-FL-K **Lab ID: 12108090002** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**7.3**	ug/L	2.0	1		05/07/18 13:49	7439-92-1	

Sample: 03-FL-DF **Lab ID: 12108090003** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:51	7439-92-1	

Sample: 04-FL-S **Lab ID: 12108090004** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:53	7439-92-1	

Sample: 05-FL-S **Lab ID: 12108090005** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:56	7439-92-1	

Sample: 06-FL-S **Lab ID: 12108090006** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	2.0	1		05/07/18 13:58	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Sample: 07-FL-S **Lab ID: 12108090007** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.7**	ug/L	2.0	1		05/07/18 14:00	7439-92-1	

Sample: 08-FL-S **Lab ID: 12108090008** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.8**	ug/L	2.0	1		05/07/18 14:03	7439-92-1	

Sample: 09-FL-BF **Lab ID: 12108090009** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:05	7439-92-1	

Sample: 10-FL-DF **Lab ID: 12108090010** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:08	7439-92-1	

Sample: 11-FL-DF **Lab ID: 12108090011** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:15	7439-92-1	

Sample: 12-FL-S **Lab ID: 12108090012** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:22	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Sample: 13-FL-DF **Lab ID: 12108090013** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:17	7439-92-1	

Sample: 14-FL-DF **Lab ID: 12108090014** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:20	7439-92-1	

Sample: 15-FL-DF **Lab ID: 12108090015** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:24	7439-92-1	

Sample: 16-FL-S **Lab ID: 12108090016** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:27	7439-92-1	

Sample: 17-FL-S **Lab ID: 12108090017** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:24	7439-92-1	

Sample: 18-FL-S **Lab ID: 12108090018** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:22	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Sample: 19-FL-S **Lab ID: 12108090019** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 13:07	7439-92-1	

Sample: 20-FL-S **Lab ID: 12108090020** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:26	7439-92-1	

Sample: 21-FL-S **Lab ID: 12108090021** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 15:51	7439-92-1	

Sample: 22-FL-S **Lab ID: 12108090022** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 15:58	7439-92-1	

Sample: 23-FL-S **Lab ID: 12108090023** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:00	7439-92-1	

Sample: 24-FL-DF **Lab ID: 12108090024** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:02	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Sample: 25-FL-WC **Lab ID: 12108090025** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:05	7439-92-1	

Sample: 26-FL-S **Lab ID: 12108090026** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/09/18 16:23	7439-92-1	

Sample: 27-FL-S **Lab ID: 12108090027** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:14	7439-92-1	

Sample: 28-FL-S **Lab ID: 12108090028** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:17	7439-92-1	

Sample: 29-FL-S **Lab ID: 12108090029** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:19	7439-92-1	

Sample: 30-FL-S **Lab ID: 12108090030** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:21	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Sample: 31-FL-S **Lab ID: 12108090031** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:24	7439-92-1	

Sample: 32-FL-DF **Lab ID: 12108090032** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.0**	ug/L	2.0	1		05/07/18 16:31	7439-92-1	

Sample: 33-FL-S **Lab ID: 12108090033** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:33	7439-92-1	

Sample: 34-FL-S **Lab ID: 12108090034** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:36	7439-92-1	

Sample: 35-FL-S **Lab ID: 12108090035** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:43	7439-92-1	

Sample: 36-FL-S **Lab ID: 12108090036** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:45	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Sample: 37-FL-S **Lab ID: 12108090037** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:49	7439-92-1	

Sample: 38-FL-S **Lab ID: 12108090038** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:52	7439-92-1	

Sample: 39-FL-S **Lab ID: 12108090039** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:54	7439-92-1	

Sample: 40-FL-WC **Lab ID: 12108090040** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 16:57	7439-92-1	

Sample: 41-FL-WC **Lab ID: 12108090041** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:29	7439-92-1	

Sample: 42-FL-BF **Lab ID: 12108090042** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:31	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Sample: 43-FL-S **Lab ID: 12108090043** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:34	7439-92-1	

Sample: 44-FL-S **Lab ID: 12108090044** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:36	7439-92-1	

Sample: 45-FL-S **Lab ID: 12108090045** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:45	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

QC Batch: 142251 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108090013, 12108090014, 12108090015, 12108090016, 12108090018, 12108090019

METHOD BLANK: 562497 Matrix: Drinking Water
Associated Lab Samples: 12108090013, 12108090014, 12108090015, 12108090016, 12108090018, 12108090019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/07/18 12:18	

LABORATORY CONTROL SAMPLE: 562498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	454	91	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562499 562500

Parameter	Units	12108072004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	452	453	90	90	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562501 562502

Parameter	Units	12107944003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	5.2	500	500	446	454	88	90	70-130	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

QC Batch: 142257 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108090001, 12108090002, 12108090003, 12108090004, 12108090005, 12108090006, 12108090007, 12108090008, 12108090009, 12108090010, 12108090011, 12108090012, 12108090017, 12108090020, 12108090041, 12108090042, 12108090043, 12108090044, 12108090045

METHOD BLANK: 562511 Matrix: Drinking Water
Associated Lab Samples: 12108090001, 12108090002, 12108090003, 12108090004, 12108090005, 12108090006, 12108090007, 12108090008, 12108090009, 12108090010, 12108090011, 12108090012, 12108090017, 12108090020, 12108090041, 12108090042, 12108090043, 12108090044, 12108090045

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/07/18 13:29	

LABORATORY CONTROL SAMPLE: 562512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	443	89	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562513 562514

Parameter	Units	12108090001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	430	435	86	87	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562515 562516

Parameter	Units	12108090011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	429	433	86	87	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

QC Batch: 142263 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108090021, 12108090022, 12108090023, 12108090024, 12108090025, 12108090027, 12108090028, 12108090029, 12108090030, 12108090031, 12108090032, 12108090033, 12108090034, 12108090035, 12108090036, 12108090037, 12108090038, 12108090039, 12108090040

METHOD BLANK: 562524 Matrix: Drinking Water
Associated Lab Samples: 12108090021, 12108090022, 12108090023, 12108090024, 12108090025, 12108090027, 12108090028, 12108090029, 12108090030, 12108090031, 12108090032, 12108090033, 12108090034, 12108090035, 12108090036, 12108090037, 12108090038, 12108090039, 12108090040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/07/18 15:46	

LABORATORY CONTROL SAMPLE: 562525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	506	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562526 562527

Parameter	Units	12108090021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	465	473	93	95	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562528 562529

Parameter	Units	12108090031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	465	470	93	94	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

QC Batch: 142480 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108090026

METHOD BLANK: 563294 Matrix: Drinking Water
Associated Lab Samples: 12108090026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/09/18 15:19	

LABORATORY CONTROL SAMPLE: 563295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	437	87	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563296 563297

Parameter	Units	12108108001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	4.2	500	500	442	450	88	89	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563298 563299

Parameter	Units	12108106025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	442	452	88	90	70-130	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALIFIERS

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-V Pace Analytical Services - Virginia

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
12108090001	01-FL-S	EPA 200.8	142257		
12108090002	02-FL-K	EPA 200.8	142257		
12108090003	03-FL-DF	EPA 200.8	142257		
12108090004	04-FL-S	EPA 200.8	142257		
12108090005	05-FL-S	EPA 200.8	142257		
12108090006	06-FL-S	EPA 200.8	142257		
12108090007	07-FL-S	EPA 200.8	142257		
12108090008	08-FL-S	EPA 200.8	142257		
12108090009	09-FL-BF	EPA 200.8	142257		
12108090010	10-FL-DF	EPA 200.8	142257		
12108090011	11-FL-DF	EPA 200.8	142257		
12108090012	12-FL-S	EPA 200.8	142257		
12108090013	13-FL-DF	EPA 200.8	142251		
12108090014	14-FL-DF	EPA 200.8	142251		
12108090015	15-FL-DF	EPA 200.8	142251		
12108090016	16-FL-S	EPA 200.8	142251		
12108090017	17-FL-S	EPA 200.8	142257		
12108090018	18-FL-S	EPA 200.8	142251		
12108090019	19-FL-S	EPA 200.8	142251		
12108090020	20-FL-S	EPA 200.8	142257		
12108090021	21-FL-S	EPA 200.8	142263		
12108090022	22-FL-S	EPA 200.8	142263		
12108090023	23-FL-S	EPA 200.8	142263		
12108090024	24-FL-DF	EPA 200.8	142263		
12108090025	25-FL-WC	EPA 200.8	142263		
12108090026	26-FL-S	EPA 200.8	142480		
12108090027	27-FL-S	EPA 200.8	142263		
12108090028	28-FL-S	EPA 200.8	142263		
12108090029	29-FL-S	EPA 200.8	142263		
12108090030	30-FL-S	EPA 200.8	142263		
12108090031	31-FL-S	EPA 200.8	142263		
12108090032	32-FL-DF	EPA 200.8	142263		
12108090033	33-FL-S	EPA 200.8	142263		
12108090034	34-FL-S	EPA 200.8	142263		
12108090035	35-FL-S	EPA 200.8	142263		
12108090036	36-FL-S	EPA 200.8	142263		
12108090037	37-FL-S	EPA 200.8	142263		
12108090038	38-FL-S	EPA 200.8	142263		
12108090039	39-FL-S	EPA 200.8	142263		
12108090040	40-FL-WC	EPA 200.8	142263		
12108090041	41-FL-WC	EPA 200.8	142257		
12108090042	42-FL-BF	EPA 200.8	142257		
12108090043	43-FL-S	EPA 200.8	142257		
12108090044	44-FL-S	EPA 200.8	142257		
12108090045	45-FL-S	EPA 200.8	142257		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ISD 831 Forest Lake 18111
Pace Project No.: 12108090

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch

Pace Analytical®

CHAIN-OF-CUSTODY / Analy

The Chain-of-Custody is a LEGAL DOCUMENT. All r

WO#: 12108090
PM: KAH Due Date: 05/18/18
CLIENT: FIELD ENV

eld Environmental Consulting
512 Eagle Creek Parkway
ıvage, MN 55378

eport: amy@fieldconsultinginc.com

52-746-5880

2107512

Section B
Required Project Information:

Report To: Amy Weinzetl
Copy To:
Purchase Order No.:
Project Name: ISD 831 Forest Lake
Project Number: 18111

Section C
Invoice Information:

Attention: Jenny Field
Company Name: Same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☑ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D
Required Client Information

Matrix Codes (MATRIX / CODE)
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	01-FL-S	DW	G			5/3/18	7:00		1	X								X		001
2	02-FL-K																			002
3	03-FL-DF																			003
4	04-FL-S																			004
5	05-FL-S																			005
6	06-FL-S																			006
7	07-FL-S																			007
8	08-FL-S																			008
9	09-FL-BF																			009
10	10-FL-DF																			010
11	11-FL-DF																			011
12	12-FL-S																			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		5-3-18	9:30				4.5-3-18 2.1
					5-7-18	1016	21-8 N N Y
	PACE	5/03/18	1435	RJ Clapp	5-3-18	1545	22-2
	RJ Clapp	5-3-18	2330	B. Mathews	5/4/18	10.00	AMB

ORIGINAL

SAMPLER NAME AND SIGNATURE: Parker Wardlow
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 5-3-18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

eld Environmental Consulting
12 Eagle Creek Parkway
vage, MN 55378

port: amy@fieldconsultinginc.com

2-746-5880

Page: 2 of 4

2107373

Section B Required Project Information:

Report To: Amy Weinzierl

Copy To:

Purchase Order No.:

Project Name: ISD 831 Forest Lake

Project Number: 18111

Section C Invoice Information:

Attention: Accounts Payable

Company Name: Same

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #: 17781

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☑ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	13-FL-DF	DW	G			5/3/18	7:00		1	X								X		D13
2	14-FL-DF																			014
3	15-FL-DF																			015
4	16-FL-S																			016
5	17-FL-S																			017
6	18-FL-S																			018
7	19-FL-S																			019
8	20-FL-S																			020
9	21-FL-S																			021
10	22-FL-S																			022
11	23-FL-S																			023
12	24-FL-DF																			024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-18	9130							
	Parker Worden PACE	5/03/18	1435		5-3-18	1016	21.8	N	N	Y
							22.2			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Parker Worden

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 5-3-18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Page: 3 of 4

2107375

Section B
Required Project Information:

Report To: Amy Weinzaul
Copy To:
Purchase Order No.:
Project Name: ISD 831 Forest Lake
Project Number: 18111

Section C
Invoice Information:

Attention: Jenny Fields
Company Name: SCME
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D
Required Client Information

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	25-FL-WC	DW	G			5-3-18	700		1	X									X		025
2	26-FL-S																				026
3	27-FL-S																				027
4	28-FL-S																				028
5	29-FL-S																				029
6	30-FL-S																				030
7	31-FL-S																				031
8	32-FL-DF																				032
9	33-FL-S																				033
10	34-FL-S																				034
11	35-FL-S																				035
12	36-FL-S																				036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-18	9:30	PACE	5-3-18	1016	21.8	N	N	Y
	PACE	5/03/18	1435				22.2			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Parker Nordeen
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-3-18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Page: 4 of 4

2107374

Section B — Required Project Information:
Report To:
Copy To:
Purchase Order No.:
Project Name: ISD 831 Forest Lake
Project Number: 18111

Section C — Invoice Information:
Attention: Jenny Field
Company Name: same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☑ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	37-FL-S	DW	G			5/3/18	7:00		1	X									X		037
2	38-FL-S																				038
3	39-FL-S																				039
4	40-FL-WC																				040
5	41-FL-WC																				041
6	42-FL-BF																				042
7	43-FL-S																				043
8	44-FL-S																				044
9	45-FL-S																				045
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		5-2-18	9:30	PACE	5-3-18	1016	21.8	N	N	Y
	Tony Yeats PACE	5/03/18	1435				22.2			

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Parker Worden
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-3-18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Minneapolis Service Center Cooler Transfer Check List

Client: FIELD ENV. CONSULT

Destination Lab: VIRGINIA

Received with Custody Seal: Yes (No)

Custody Seal Intact: Yes No (NA)

	Temp Read	Corrected Temp	Correction Factor
Temperature C: IR Gun:	AMB.	—	AMBIENT

☐ Samples on ice, cooling process has begun

Rush/Short Hold: N/A

Containers Intact: (Yes) No

Re-packed and Re-Iced: CT (NO ICE NEEDED)

Temp Blank Included: Yes (No)

Shipped By/Date: 5/03/18

Notes:

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Document Revised: 15Mar2016 Page 1 of 1
	Document No.: F-VM-C-001-Rev.10	Issuing Authority: Pace Virginia, Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Field Env. Consult.

WO#: 12108090

12108090

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Clie
☐ Commercial ☑ Pace ☐ Other: _____

Tracking Number: _____

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other: _____ Temp Blank? ☐ Yes ☑ No

Thermometer Used: ☐ 140792808 Type of Ice: ☐ Wet ☐ Blue ☑ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read °C: _____ Cooler Temp Corrected °C: AMB Biological Tissue Frozen? ☐ Yes ☐ No ☑ NA

Temp should be above freezing to 6°C Correction Factor: _____ Date and Initials of Person Examining Contents: BM 5/4/18 tc

Comments:

Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5. If Fecal: ☐ <8 hours ☐ >8, <24 hours ☐ >24 hours
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved containers.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation will be checked and documented in the pH logbook.	☑ Yes	☐ No	☐ N/A	See pH log for results and additional preservation documentation
Headspace in Methyl Mercury Container	☐ Yes	☐ No	☑ N/A	13.
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased): _____				

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FECAL WAIVER ON FILE Y N TEMPERATURE WAIVER ON FILE Y N

Project Manager Review: _____ Date: 5/4/18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

May 11, 2018

Amy Weinzierl
Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

RE: Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on May 03, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Report revised 5/11/18. Removed container 79-FV-S by client request, re-sampled 5/8/18 and ran as a rush in Minneapolis.

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

Sincerely,

Kristin A Hanson
kristin.hanson@pacelabs.com
(218) 735-6700
Project Manager

Enclosures

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

CERTIFICATIONS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Virginia Minnesota Certification ID's

315 Chestnut Street, Virginia, MN 55792
Alaska Certification UST-107
Alaska Certification UST-107
California Certification #2973
California Certification #2973
Montana Certificate #CERT0103
Alaska Certification #MN01084
Arizona Department of Health Certification #AZ0785
Minnesota Dept of Health Certification #: 027-137-445
North Dakota Certification: # R-203
Wisconsin DNR Certification # : 998027470
WA Department of Ecology Lab ID# C1007
Nevada DNR #MN010842018-1
Oklahoma Department of Environmental Quality
California Certification #2973

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE SUMMARY

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Lab ID	Sample ID	Matrix	Date Collected	Date Received
12108093001	01-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093002	02-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093003	03-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093004	04-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093005	05-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093006	06-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093007	07-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093008	08-FV-K	Water	05/03/18 05:00	05/03/18 23:30
12108093009	09-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093010	10-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093011	11-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093012	12-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093013	13-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093014	14-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093015	15-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093016	16-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093017	17-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093018	18-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093019	19-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093020	20-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093021	21-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093022	22-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093023	23-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093024	24-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093025	25-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093026	26-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093027	27-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093028	28-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093029	29-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093030	30-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093031	31-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093032	32-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093033	33-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093034	34-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093035	35-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093036	36-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093037	37-FV-S	Water	05/03/18 05:00	05/03/18 23:30

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE SUMMARY

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Lab ID	Sample ID	Matrix	Date Collected	Date Received
12108093038	38-FV-DF	Water	05/03/18 05:00	05/03/18 23:30
12108093039	39-FV-S	Water	05/03/18 05:00	05/03/18 23:30
12108093040	40-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093041	41-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093042	43-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093043	44-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093044	45-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093045	46-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093046	47-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093047	48-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093048	49-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093049	50-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093050	51-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093051	52-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093052	53-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093053	54-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093054	55-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093055	56-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093056	57-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093057	58-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093058	59-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093059	60-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093060	61-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093061	62-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093062	63-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093063	64-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093064	65-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093065	66-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093066	67-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093067	68-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093068	69-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093069	70-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093070	71-FV-S	Water	05/03/18 06:00	05/03/18 23:30
12108093071	72-FV-DF	Water	05/03/18 06:00	05/03/18 23:30
12108093072	73-FV-S	Water	05/03/18 07:00	05/03/18 23:30
12108093073	74-FV-S	Water	05/03/18 07:00	05/03/18 23:30
12108093074	75-FV-DF	Water	05/03/18 07:00	05/03/18 23:30

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE SUMMARY

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Lab ID	Sample ID	Matrix	Date Collected	Date Received
12108093075	**76-FV-DF**	Water	05/03/18 07:00	05/03/18 23:30
12108093076	**77-FV-S**	Water	05/03/18 07:00	05/03/18 23:30
12108093077	**78-FV-DF**	Water	05/03/18 07:00	05/03/18 23:30
12108093079	**80-FV-S**	Water	05/03/18 07:00	05/03/18 23:30
12108093080	**81-FV-DF**	Water	05/03/18 07:00	05/03/18 23:30
12108093081	**82-FV-WC**	Water	05/03/18 07:00	05/03/18 23:30
12108093082	**83-FV-WC**	Water	05/03/18 07:00	05/03/18 23:30
12108093083	**84-FV-DF**	Water	05/03/18 07:00	05/03/18 23:30

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE ANALYTE COUNT

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
12108093001	01-FV-S	EPA 200.8	JJH	1	PASI-V
12108093002	02-FV-S	EPA 200.8	JJH	1	PASI-V
12108093003	03-FV-S	EPA 200.8	JJH	1	PASI-V
12108093004	04-FV-S	EPA 200.8	JJH	1	PASI-V
12108093005	05-FV-S	EPA 200.8	JJH	1	PASI-V
12108093006	06-FV-S	EPA 200.8	JJH	1	PASI-V
12108093007	07-FV-S	EPA 200.8	JJH	1	PASI-V
12108093008	08-FV-K	EPA 200.8	JJH	1	PASI-V
12108093009	09-FV-S	EPA 200.8	JJH	1	PASI-V
12108093010	10-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093011	11-FV-S	EPA 200.8	JJH	1	PASI-V
12108093012	12-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093013	13-FV-S	EPA 200.8	JJH	1	PASI-V
12108093014	14-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093015	15-FV-S	EPA 200.8	JJH	1	PASI-V
12108093016	16-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093017	17-FV-S	EPA 200.8	JJH	1	PASI-V
12108093018	18-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093019	19-FV-S	EPA 200.8	JJH	1	PASI-V
12108093020	20-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093021	21-FV-S	EPA 200.8	JJH	1	PASI-V
12108093022	22-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093023	23-FV-S	EPA 200.8	JJH	1	PASI-V
12108093024	24-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093025	25-FV-S	EPA 200.8	JJH	1	PASI-V
12108093026	26-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093027	27-FV-S	EPA 200.8	JJH	1	PASI-V
12108093028	28-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093029	29-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093030	30-FV-S	EPA 200.8	JJH	1	PASI-V
12108093031	31-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093032	32-FV-S	EPA 200.8	JJH	1	PASI-V
12108093033	33-FV-S	EPA 200.8	JJH	1	PASI-V
12108093034	34-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093035	35-FV-S	EPA 200.8	JJH	1	PASI-V
12108093036	36-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093037	37-FV-S	EPA 200.8	JJH	1	PASI-V

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE ANALYTE COUNT

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
12108093038	38-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093039	39-FV-S	EPA 200.8	JJH	1	PASI-V
12108093040	40-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093041	41-FV-S	EPA 200.8	JJH	1	PASI-V
12108093042	43-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093043	44-FV-S	EPA 200.8	JJH	1	PASI-V
12108093044	45-FV-S	EPA 200.8	JJH	1	PASI-V
12108093045	46-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093046	47-FV-S	EPA 200.8	JJH	1	PASI-V
12108093047	48-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093048	49-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093049	50-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093050	51-FV-S	EPA 200.8	JJH	1	PASI-V
12108093051	52-FV-S	EPA 200.8	JJH	1	PASI-V
12108093052	53-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093053	54-FV-S	EPA 200.8	JJH	1	PASI-V
12108093054	55-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093055	56-FV-S	EPA 200.8	JJH	1	PASI-V
12108093056	57-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093057	58-FV-S	EPA 200.8	JJH	1	PASI-V
12108093058	59-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093059	60-FV-S	EPA 200.8	JJH	1	PASI-V
12108093060	61-FV-S	EPA 200.8	JJH	1	PASI-V
12108093061	62-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093062	63-FV-S	EPA 200.8	JJH	1	PASI-V
12108093063	64-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093064	65-FV-S	EPA 200.8	JJH	1	PASI-V
12108093065	66-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093066	67-FV-S	EPA 200.8	JJH	1	PASI-V
12108093067	68-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093068	69-FV-S	EPA 200.8	JJH	1	PASI-V
12108093069	70-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093070	71-FV-S	EPA 200.8	JJH	1	PASI-V
12108093071	72-FV-DF	EPA 200.8	JJH	1	PASI-V
12108093072	73-FV-S	EPA 200.8	JJH	1	PASI-V
12108093073	74-FV-S	EPA 200.8	JJH	1	PASI-V
12108093074	75-FV-DF	EPA 200.8	JJH	1	PASI-V

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

SAMPLE ANALYTE COUNT

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
12108093075	**76-FV-DF**	EPA 200.8	JJH	1	PASI-V
12108093076	**77-FV-S**	EPA 200.8	JJH	1	PASI-V
12108093077	**78-FV-DF**	EPA 200.8	JJH	1	PASI-V
12108093079	**80-FV-S**	EPA 200.8	JJH	1	PASI-V
12108093080	**81-FV-DF**	EPA 200.8	JJH	1	PASI-V
12108093081	**82-FV-WC**	EPA 200.8	JJH	1	PASI-V
12108093082	**83-FV-WC**	EPA 200.8	JJH	1	PASI-V
12108093083	**84-FV-DF**	EPA 200.8	JJH	1	PASI-V

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 01-FV-S **Lab ID: 12108093001** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**21.5**	ug/L	2.0	1		05/08/18 17:03	7439-92-1	

Sample: 02-FV-S **Lab ID: 12108093002** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**14.3**	ug/L	2.0	1		05/08/18 17:10	7439-92-1	

Sample: 03-FV-S **Lab ID: 12108093003** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**9.9**	ug/L	2.0	1		05/08/18 17:13	7439-92-1	

Sample: 04-FV-S **Lab ID: 12108093004** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 17:15	7439-92-1	

Sample: 05-FV-S **Lab ID: 12108093005** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.0**	ug/L	2.0	1		05/08/18 17:17	7439-92-1	

Sample: 06-FV-S **Lab ID: 12108093006** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**12.1**	ug/L	2.0	1		05/08/18 17:20	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 07-FV-S **Lab ID: 12108093007** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 17:22	7439-92-1	

Sample: 08-FV-K **Lab ID: 12108093008** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 17:24	7439-92-1	

Sample: 09-FV-S **Lab ID: 12108093009** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**12.0**	ug/L	2.0	1		05/08/18 17:31	7439-92-1	

Sample: 10-FV-DF **Lab ID: 12108093010** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**9.6**	ug/L	2.0	1		05/08/18 17:34	7439-92-1	

Sample: 11-FV-S **Lab ID: 12108093011** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.2**	ug/L	2.0	1		05/08/18 17:36	7439-92-1	

Sample: 12-FV-DF **Lab ID: 12108093012** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.1**	ug/L	2.0	1		05/08/18 17:43	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 13-FV-S **Lab ID: 12108093013** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.1**	ug/L	2.0	1		05/08/18 17:46	7439-92-1	

Sample: 14-FV-DF **Lab ID: 12108093014** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.2**	ug/L	2.0	1		05/08/18 17:48	7439-92-1	

Sample: 15-FV-S **Lab ID: 12108093015** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 17:50	7439-92-1	

Sample: 16-FV-DF **Lab ID: 12108093016** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 17:53	7439-92-1	

Sample: 17-FV-S **Lab ID: 12108093017** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.2**	ug/L	2.0	1		05/08/18 18:00	7439-92-1	

Sample: 18-FV-DF **Lab ID: 12108093018** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	2.0	1		05/08/18 18:02	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 19-FV-S **Lab ID: 12108093019** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.0**	ug/L	2.0	1		05/08/18 18:05	7439-92-1	

Sample: 20-FV-DF **Lab ID: 12108093020** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.1**	ug/L	2.0	1		05/08/18 18:07	7439-92-1	

Sample: 21-FV-S **Lab ID: 12108093021** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 13:51	7439-92-1	

Sample: 22-FV-DF **Lab ID: 12108093022** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 13:58	7439-92-1	

Sample: 23-FV-S **Lab ID: 12108093023** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**18.1**	ug/L	2.0	1		05/08/18 14:00	7439-92-1	

Sample: 24-FV-DF **Lab ID: 12108093024** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.1**	ug/L	2.0	1		05/08/18 14:07	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 25-FV-S **Lab ID: 12108093025** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.8**	ug/L	2.0	1		05/08/18 14:09	7439-92-1	

Sample: 26-FV-DF **Lab ID: 12108093026** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.9**	ug/L	2.0	1		05/08/18 14:12	7439-92-1	

Sample: 27-FV-S **Lab ID: 12108093027** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.4**	ug/L	2.0	1		05/08/18 14:14	7439-92-1	

Sample: 28-FV-DF **Lab ID: 12108093028** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.0**	ug/L	2.0	1		05/08/18 14:17	7439-92-1	

Sample: 29-FV-DF **Lab ID: 12108093029** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.2**	ug/L	2.0	1		05/08/18 14:19	7439-92-1	

Sample: 30-FV-S **Lab ID: 12108093030** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**5.1**	ug/L	2.0	1		05/08/18 14:21	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 31-FV-DF **Lab ID: 12108093031** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**6.3**	ug/L	2.0	1		05/08/18 14:24	7439-92-1	

Sample: 32-FV-S **Lab ID: 12108093032** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.6**	ug/L	2.0	1		05/08/18 14:38	7439-92-1	

Sample: 33-FV-S **Lab ID: 12108093033** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 14:41	7439-92-1	

Sample: 34-FV-DF **Lab ID: 12108093034** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 14:43	7439-92-1	

Sample: 35-FV-S **Lab ID: 12108093035** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 14:46	7439-92-1	

Sample: 36-FV-DF **Lab ID: 12108093036** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 14:48	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 37-FV-S **Lab ID: 12108093037** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 14:50	7439-92-1	

Sample: 38-FV-DF **Lab ID: 12108093038** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 14:53	7439-92-1	

Sample: 39-FV-S **Lab ID: 12108093039** Collected: 05/03/18 05:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**7.0**	ug/L	2.0	1		05/08/18 14:55	7439-92-1	

Sample: 40-FV-DF **Lab ID: 12108093040** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.8**	ug/L	2.0	1		05/08/18 14:57	7439-92-1	

Sample: 41-FV-S **Lab ID: 12108093041** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**5.5**	ug/L	2.0	1		05/08/18 12:35	7439-92-1	

Sample: 43-FV-DF **Lab ID: 12108093042** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.9**	ug/L	2.0	1		05/08/18 12:47	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 44-FV-S **Lab ID: 12108093043** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**5.7**	ug/L	2.0	1		05/08/18 12:49	7439-92-1	

Sample: 45-FV-S **Lab ID: 12108093044** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**6.0**	ug/L	2.0	1		05/08/18 12:51	7439-92-1	

Sample: 46-FV-DF **Lab ID: 12108093045** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**6.0**	ug/L	2.0	1		05/09/18 17:04	7439-92-1	

Sample: 47-FV-S **Lab ID: 12108093046** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.0**	ug/L	2.0	1		05/08/18 12:56	7439-92-1	

Sample: 48-FV-DF **Lab ID: 12108093047** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.5**	ug/L	2.0	1		05/08/18 12:58	7439-92-1	

Sample: 49-FV-DF **Lab ID: 12108093048** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.7**	ug/L	2.0	1		05/08/18 13:01	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 50-FV-DF **Lab ID: 12108093049** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.1**	ug/L	2.0	1		05/08/18 13:03	7439-92-1	

Sample: 51-FV-S **Lab ID: 12108093050** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.1**	ug/L	2.0	1		05/08/18 13:05	7439-92-1	

Sample: 52-FV-S **Lab ID: 12108093051** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**3.2**	ug/L	2.0	1		05/08/18 13:13	7439-92-1	

Sample: 53-FV-DF **Lab ID: 12108093052** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.9**	ug/L	2.0	1		05/08/18 13:20	7439-92-1	

Sample: 54-FV-S **Lab ID: 12108093053** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	2.0	1		05/08/18 13:22	7439-92-1	

Sample: 55-FV-DF **Lab ID: 12108093054** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	2.0	1		05/08/18 13:24	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 56-FV-S **Lab ID: 12108093055** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.0**	ug/L	2.0	1		05/08/18 13:27	7439-92-1	

Sample: 57-FV-DF **Lab ID: 12108093056** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	2.0	1		05/08/18 13:29	7439-92-1	

Sample: 58-FV-S **Lab ID: 12108093057** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.4**	ug/L	2.0	1		05/08/18 13:32	7439-92-1	

Sample: 59-FV-DF **Lab ID: 12108093058** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.1**	ug/L	2.0	1		05/08/18 13:34	7439-92-1	

Sample: 60-FV-S **Lab ID: 12108093059** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	2.0	1		05/08/18 13:41	7439-92-1	

Sample: 61-FV-S **Lab ID: 12108093060** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 13:43	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 62-FV-DF **Lab ID: 12108093061** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 15:47	7439-92-1	

Sample: 63-FV-S **Lab ID: 12108093062** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	**4.3**	ug/L	2.0	1		05/08/18 15:54	7439-92-1	

Sample: 64-FV-DF **Lab ID: 12108093063** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 15:57	7439-92-1	

Sample: 65-FV-S **Lab ID: 12108093064** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/09/18 16:51	7439-92-1	

Sample: 66-FV-DF **Lab ID: 12108093065** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:01	7439-92-1	

Sample: 67-FV-S **Lab ID: 12108093066** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:04	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 68-FV-DF **Lab ID: 12108093067** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/09/18 16:49	7439-92-1	

Sample: 69-FV-S **Lab ID: 12108093068** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:13	7439-92-1	

Sample: 70-FV-DF **Lab ID: 12108093069** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:16	7439-92-1	

Sample: 71-FV-S **Lab ID: 12108093070** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:18	7439-92-1	

Sample: 72-FV-DF **Lab ID: 12108093071** Collected: 05/03/18 06:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:20	7439-92-1	

Sample: 73-FV-S **Lab ID: 12108093072** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/09/18 16:39	7439-92-1	

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 74-FV-S **Lab ID: 12108093073** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:30	7439-92-1	

Sample: 75-FV-DF **Lab ID: 12108093074** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:32	7439-92-1	

Sample: 76-FV-DF **Lab ID: 12108093075** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:39	7439-92-1	

Sample: 77-FV-S **Lab ID: 12108093076** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:42	7439-92-1	

Sample: 78-FV-DF **Lab ID: 12108093077** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:44	7439-92-1	

Sample: 80-FV-S **Lab ID: 12108093079** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:49	7439-92-1	

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

ANALYTICAL RESULTS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Sample: 81-FV-DF **Lab ID: 12108093080** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/08/18 16:51	7439-92-1	

Sample: 82-FV-WC **Lab ID: 12108093081** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 14:47	7439-92-1	

Sample: 83-FV-WC **Lab ID: 12108093082** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/09/18 16:30	7439-92-1	

Sample: 84-FV-DF **Lab ID: 12108093083** Collected: 05/03/18 07:00 Received: 05/03/18 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW No Prep	Analytical Method: EPA 200.8							
Lead	ND	ug/L	2.0	1		05/07/18 18:24	7439-92-1	

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

QC Batch: 142257 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108093081

METHOD BLANK: 562511 Matrix: Drinking Water
Associated Lab Samples: 12108093081

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/07/18 13:29	

LABORATORY CONTROL SAMPLE: 562512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	443	89	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562513 562514

Parameter	Units	12108090001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	430	435	86	87	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562515 562516

Parameter	Units	12108090011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	429	433	86	87	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

QC Batch: 142294 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108093083

METHOD BLANK: 562634 Matrix: Drinking Water
Associated Lab Samples: 12108093083

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/07/18 17:15	

LABORATORY CONTROL SAMPLE: 562635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	484	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562636 562637

Parameter	Units	12108091041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	476	475	95	95	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562638 562639

Parameter	Units	12108091051 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	462	465	92	93	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

QC Batch: 142332 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108093041, 12108093042, 12108093043, 12108093044, 12108093046, 12108093047, 12108093048, 12108093049, 12108093050, 12108093051, 12108093052, 12108093053, 12108093054, 12108093055, 12108093056, 12108093057, 12108093058, 12108093059, 12108093060

METHOD BLANK: 562720 Matrix: Drinking Water
Associated Lab Samples: 12108093041, 12108093042, 12108093043, 12108093044, 12108093046, 12108093047, 12108093048, 12108093049, 12108093050, 12108093051, 12108093052, 12108093053, 12108093054, 12108093055, 12108093056, 12108093057, 12108093058, 12108093059, 12108093060

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/08/18 12:30	

LABORATORY CONTROL SAMPLE: 562721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	509	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562722 562723

Parameter	Units	12108093041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	5.5	500	500	533	540	106	107	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562724 562725

Parameter	Units	12108093051 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	3.2	500	500	535	547	106	109	70-130	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

QC Batch: 142354 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108093021, 12108093022, 12108093023, 12108093024, 12108093025, 12108093026, 12108093027, 12108093028, 12108093029, 12108093030, 12108093031, 12108093032, 12108093033, 12108093034, 12108093035, 12108093036, 12108093037, 12108093038, 12108093039, 12108093040

METHOD BLANK: 562793 Matrix: Drinking Water
Associated Lab Samples: 12108093021, 12108093022, 12108093023, 12108093024, 12108093025, 12108093026, 12108093027, 12108093028, 12108093029, 12108093030, 12108093031, 12108093032, 12108093033, 12108093034, 12108093035, 12108093036, 12108093037, 12108093038, 12108093039, 12108093040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/08/18 13:46	

LABORATORY CONTROL SAMPLE: 562794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	532	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562795 562796

Parameter	Units	12108093021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	540	542	108	108	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562797 562798

Parameter	Units	12108093031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	6.3	500	500	553	546	109	108	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

QC Batch: 142377 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108093061, 12108093062, 12108093063, 12108093065, 12108093066, 12108093068, 12108093069, 12108093070, 12108093071, 12108093073, 12108093074, 12108093075, 12108093076, 12108093077, 12108093079, 12108093080

METHOD BLANK: 562881 Matrix: Drinking Water
Associated Lab Samples: 12108093061, 12108093062, 12108093063, 12108093065, 12108093066, 12108093068, 12108093069, 12108093070, 12108093071, 12108093073, 12108093074, 12108093075, 12108093076, 12108093077, 12108093079, 12108093080

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/08/18 15:43	

LABORATORY CONTROL SAMPLE: 562882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	530	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562883 562884

Parameter	Units	12108093061 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	525	528	105	105	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562885 562886

Parameter	Units	12108093071 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	529	537	106	107	70-130	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

QC Batch: 142384 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108093001, 12108093002, 12108093003, 12108093004, 12108093005, 12108093006, 12108093007, 12108093008, 12108093009, 12108093010, 12108093011, 12108093012, 12108093013, 12108093014, 12108093015, 12108093016, 12108093017, 12108093018, 12108093019, 12108093020

METHOD BLANK: 562894 Matrix: Drinking Water
Associated Lab Samples: 12108093001, 12108093002, 12108093003, 12108093004, 12108093005, 12108093006, 12108093007, 12108093008, 12108093009, 12108093010, 12108093011, 12108093012, 12108093013, 12108093014, 12108093015, 12108093016, 12108093017, 12108093018, 12108093019, 12108093020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/08/18 16:54	

LABORATORY CONTROL SAMPLE: 562895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	532	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562896 562897

Parameter	Units	12108093001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	21.5	500	500	552	558	106	107	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 562898 562899

Parameter	Units	12108093011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	3.2	500	500	533	543	106	108	70-130	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

QC Batch: 142480 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108093082

METHOD BLANK: 563294 Matrix: Drinking Water
Associated Lab Samples: 12108093082

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/09/18 15:19	

LABORATORY CONTROL SAMPLE: 563295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	437	87	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563296 563297

Parameter	Units	12108108001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	4.2	500	500	442	450	88	89	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563298 563299

Parameter	Units	12108106025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	442	452	88	90	70-130	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

QC Batch: 142508 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 12108093045, 12108093064, 12108093067, 12108093072

METHOD BLANK: 563441 Matrix: Drinking Water
Associated Lab Samples: 12108093045, 12108093064, 12108093067, 12108093072

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	2.0	05/09/18 17:02	

LABORATORY CONTROL SAMPLE: 563442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	449	90	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563443 563444

Parameter	Units	12108093072 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	442	444	88	89	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 563445 563446

Parameter	Units	12108106005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	500	500	443	450	89	90	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALIFIERS

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-V Pace Analytical Services - Virginia

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
12108093001	01-FV-S	EPA 200.8	142384		
12108093002	02-FV-S	EPA 200.8	142384		
12108093003	03-FV-S	EPA 200.8	142384		
12108093004	04-FV-S	EPA 200.8	142384		
12108093005	05-FV-S	EPA 200.8	142384		
12108093006	06-FV-S	EPA 200.8	142384		
12108093007	07-FV-S	EPA 200.8	142384		
12108093008	08-FV-K	EPA 200.8	142384		
12108093009	09-FV-S	EPA 200.8	142384		
12108093010	10-FV-DF	EPA 200.8	142384		
12108093011	11-FV-S	EPA 200.8	142384		
12108093012	12-FV-DF	EPA 200.8	142384		
12108093013	13-FV-S	EPA 200.8	142384		
12108093014	14-FV-DF	EPA 200.8	142384		
12108093015	15-FV-S	EPA 200.8	142384		
12108093016	16-FV-DF	EPA 200.8	142384		
12108093017	17-FV-S	EPA 200.8	142384		
12108093018	18-FV-DF	EPA 200.8	142384		
12108093019	19-FV-S	EPA 200.8	142384		
12108093020	20-FV-DF	EPA 200.8	142384		
12108093021	21-FV-S	EPA 200.8	142354		
12108093022	22-FV-DF	EPA 200.8	142354		
12108093023	23-FV-S	EPA 200.8	142354		
12108093024	24-FV-DF	EPA 200.8	142354		
12108093025	25-FV-S	EPA 200.8	142354		
12108093026	26-FV-DF	EPA 200.8	142354		
12108093027	27-FV-S	EPA 200.8	142354		
12108093028	28-FV-DF	EPA 200.8	142354		
12108093029	29-FV-DF	EPA 200.8	142354		
12108093030	30-FV-S	EPA 200.8	142354		
12108093031	31-FV-DF	EPA 200.8	142354		
12108093032	32-FV-S	EPA 200.8	142354		
12108093033	33-FV-S	EPA 200.8	142354		
12108093034	34-FV-DF	EPA 200.8	142354		
12108093035	35-FV-S	EPA 200.8	142354		
12108093036	36-FV-DF	EPA 200.8	142354		
12108093037	37-FV-S	EPA 200.8	142354		
12108093038	38-FV-DF	EPA 200.8	142354		
12108093039	39-FV-S	EPA 200.8	142354		
12108093040	40-FV-DF	EPA 200.8	142354		
12108093041	41-FV-S	EPA 200.8	142332		
12108093042	43-FV-DF	EPA 200.8	142332		
12108093043	44-FV-S	EPA 200.8	142332		
12108093044	45-FV-S	EPA 200.8	142332		
12108093045	46-FV-DF	EPA 200.8	142508		
12108093046	47-FV-S	EPA 200.8	142332		
12108093047	48-FV-DF	EPA 200.8	142332		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ISD 831 Forest View 18111 REV
Pace Project No.: 12108093

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
12108093048	**49-FV-DF**	EPA 200.8	142332		
12108093049	**50-FV-DF**	EPA 200.8	142332		
12108093050	**51-FV-S**	EPA 200.8	142332		
12108093051	**52-FV-S**	EPA 200.8	142332		
12108093052	**53-FV-DF**	EPA 200.8	142332		
12108093053	**54-FV-S**	EPA 200.8	142332		
12108093054	**55-FV-DF**	EPA 200.8	142332		
12108093055	**56-FV-S**	EPA 200.8	142332		
12108093056	**57-FV-DF**	EPA 200.8	142332		
12108093057	**58-FV-S**	EPA 200.8	142332		
12108093058	**59-FV-DF**	EPA 200.8	142332		
12108093059	**60-FV-S**	EPA 200.8	142332		
12108093060	**61-FV-S**	EPA 200.8	142332		
12108093061	**62-FV-DF**	EPA 200.8	142377		
12108093062	**63-FV-S**	EPA 200.8	142377		
12108093063	**64-FV-DF**	EPA 200.8	142377		
12108093064	**65-FV-S**	EPA 200.8	142508		
12108093065	**66-FV-DF**	EPA 200.8	142377		
12108093066	**67-FV-S**	EPA 200.8	142377		
12108093067	**68-FV-DF**	EPA 200.8	142508		
12108093068	**69-FV-S**	EPA 200.8	142377		
12108093069	**70-FV-DF**	EPA 200.8	142377		
12108093070	**71-FV-S**	EPA 200.8	142377		
12108093071	**72-FV-DF**	EPA 200.8	142377		
12108093072	**73-FV-S**	EPA 200.8	142508		
12108093073	**74-FV-S**	EPA 200.8	142377		
12108093074	**75-FV-DF**	EPA 200.8	142377		
12108093075	**76-FV-DF**	EPA 200.8	142377		
12108093076	**77-FV-S**	EPA 200.8	142377		
12108093077	**78-FV-DF**	EPA 200.8	142377		
12108093079	**80-FV-S**	EPA 200.8	142377		
12108093080	**81-FV-DF**	EPA 200.8	142377		
12108093081	**82-FV-WC**	EPA 200.8	142257		
12108093082	**83-FV-WC**	EPA 200.8	142480		
12108093083	**84-FV-DF**	EPA 200.8	142294		

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

WO#: 12108093

PM: KAH Due Date: 05/18/18

CLIENT: FIELD ENV

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Section B — Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.:
Project Name: ISD 831 Forestview Elementary
Project Number: 18111

Section C — Invoice Information:

Attention: Jenny Fiedler
Company Name: Same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781

NPDES ☐ GROUND WATER ☒ DRINKING WATER ☐
UST ☐ RCRA ☐ OTHER ☐

Site Location STATE: MN

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	01-FV-S	DW	G			5/3/18	5:00		1	X									X		001
2	02-FV-S																				002
3	03-FV-S																				003
4	04-FV-S																				004
5	05-FV-S																				005
6	06-FV-S																				006
7	07-FV-S																				007
8	08-FV-K																				008
9	09-FV-S																				009
10	10-FV-DF																				010
11	11-FV-S																				011
12	12-FV-DF																				017

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-18	9:00		5-3-18	1016	21-9	N	N	Y
		5/03/18	1435	BJ Clay	5-3-18	1845	21-7			
	RJ Clay	5-3-18	2330	B. Mathews	5/4/18	1000	21-4	AMB		
							21-8			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Parker Nordean

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-3-18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 7

2146997

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Section B — **Required** Project Information:

Report To:

Copy To:

Purchase Order No.:

Project Name: ISD 831 Forest View

Project Number: 18111

Section C — Invoice Information:

Attention: Jenny Field

Company Name: same

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #: 17781

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MN

Section D — **Required** Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	13-FV-S	DW	G			5/3/18	5:00pm		1	X									X		013
2	14-FV-DF									X									X		014
3	15-FV-S									X									X		015
4	16-FV-DF									X									X		016
5	17-FV-S									X									X		017
6	18-FV-DF									X									X		018
7	19-FV-S									X									X		019
8	20-FV-DF									X									X		020
9	21-FV-S									X									X		021
10	22-FV-DF									X									X		022
11	23-FV-S									X									X		023
12	24-FV-DF									X									X		024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-18	9:00		5-3-18	1016	21.9	N	N	Y
		5/03/18	1435				21.7			
							21.4			
							21.8			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Parker Nordeen

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 5-3-18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Page: 3 of 7

2146996

Section B — Required Project Information:
Report To: Amy Weinzeral
Copy To:
Purchase Order No.:
Project Name: ISD 831 Forest View
Project Number: 18111

Section C — Invoice Information:
Attention: Jenny Field
Company Name: same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D — Required Client Information

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	25-FV-S	DW	G			5/3/18	5:00		1	X								X		025
2	26-FV-DF																			026
3	27-FV-S																			027
4	28-FV-DF																			028
5	29-FV-DF																			029
6	30-FV-S																			030
7	31-FV-DF																			031
8	32-FV-S																			032
9	33-FV-S																			033
10	34-FV-DF																			034
11	35-FV-S																			035
12	36-FV-DF																			036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-18	9:00	PACE	5-3-18	1016	21.9	N	N	Y
	PACE	5/03/18	1435				21.7			
							21.4			
							21.8			

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Porter Nordeen
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 5-3-18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Page: 4 of 7

2107367

Section B — Required Project Information:

Report To:

Copy To:

Purchase Order No.:

Project Name: ISD 831 Forest View

Project Number: 18111

Section C — Invoice Information:

Attention: Jenny Field

Company Name: Same

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #: 17781

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MN

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: Pb lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	37-FV-S	DW	G			5/3/18	5:00		1	X								X		037
2	38-FV-DF																			038
3	39-FV-S																			039
4	40-FV-DF						6:00													040
5	41-FV-S																			041
6	43-FV-DF																			042
7	44-FV-S																			043
8	45-FV-S																			044
9	46-FV-DF																			045
10	47-FV-S																			046
11	48-FV-DF																			047
12																				~~048~~

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		5-3-18	9:00	PACE	5-3-18	1016	21.9	N	N	Y
	Parker Nordean PACE	5/03/18	1435				21.7			
							21.4			
							21.8			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Parker Nordean

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 5-3-18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Page: 5 of 7

2107368

Section B — **Required** Project Information:

Report To:

Copy To:

Purchase Order No.:

Project Name: ISD 831 Forest View

Project Number: 18111

Section C — Invoice Information:

Attention: Jenny Field

Company Name: same

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #: 17781

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MN

Section D — **Required** Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	49-FV-DF	DW	G			5/3/18	6:00		1	X									X		048
2	50-FV-DF																				049
3	51-FV-S																				050
4	52-FV-S																				051
5	53-FV-DF																				052
6	54-FV-S																				053
7	55-FV-DF																				054
8	56-FV-S																				055
9	57-FV-DF																				056
10	58-FV-S																				057
11	59-FV-DF																				058
12	60-FV-S																				059

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-18	9:00	PACE	5-3-18	1016	21.9	N	N	Y
	Pace	5/03/18	1435				21.7			
							21.4			
							21.8			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Porter Worden

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 5-3-18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Field Environmental Consulting
3612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Page: 6 of 7

2107369

Section B — **Required** Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	ISD 831 Forest View
Project Number:	18111

Section C — Invoice Information:

Attention:	Jenny Field
Company Name:	same
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	17781

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MN

Section D — **Required** Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	61-FV-S	DW	G			5/3/18	6:00		1	X									X		060
2	62-FV-DF																				061
3	63-FV-S																				062
4	64-FV-DF																				063
5	65-FV-S																				064
6	66-FV-DF																				065
7	67-FV-S																				066
8	68-FV-DF																				067
9	69-FV-S																				068
10	70-FV-DF																				069
11	71-FV-S																				070
12	72-FV-DF																				071

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-18	9:00	PACE	5-3-18	1016	21.9	N	N	Y
	PACE	5/03/18	1435				21.7			
							21.4			
							21.8			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Parker Noreke

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 5-3-18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

Report: amy@fieldconsultinginc.com

952-746-5880

Page: 7 of 7

2107371

Section B — **Required** Project Information:

Report To:

Copy To:

Purchase Order No.:

Project Name: ISD 831 Forest View

Project Number: 18111

Section C — Invoice Information:

Attention: Jenny Field

Company Name: same

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #: 17781

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☒ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MN

Section D — **Required** Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	73-FV-S	DW	G			5/3/18	7:00			X									X		073
2	74-FV-S																				073
3	75-FV-DF																				074
4	76-FV-DF																				075
5	77-FV-S																				076
6	78-FV-DF																				077
7	~~79-FV~~																				078
8	80-FV-S																				079
9	81-FV-DF																				080
10	82-FV-WC																				081
11	83-FV-WC																				082
12	84-FV-DF																				083

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		5-3-18	9:00	PACE	5-3-18	1014	21-9	N	N	Y
	Mary Hall Pace	5/03/18	1435				21-7			
							21-4			
							21-5			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Pam Hovden

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 5-3-18

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Minneapolis Service Center Cooler Transfer Check List

Client: FIELD ENV. CONSULT

Destination Lab: VERSENCE

Received with Custody Seal: Yes (No)

Custody Seal Intact: Yes No (NA)

	Temp Read	Corrected Temp	Correction Factor
Temperature C: IR Gun:	AMB	—	AMBIENT

☐ Samples on ice, cooling process has begun

Rush/Short Hold: N/A

Containers Intact: (Yes) No

Re-packed and Re-Iced: — (NO ICE NEEDED)

Temp Blank Included: Yes (No)

Shipped By/Date: 5/03/16

Notes:

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 15Mar2016 Page 1 of 1
	Document No.: F-VM-C-001-Rev.10	Issuing Authority: Pace Virginia, Minnesota Quality Office

Sample Condition Upon Receipt

WO#: 12108093

12108093

Client Name: Field Env. Consult. Pr

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Clien
☐ Commercial ☒ Pace ☐ Other:

Tracking Number:

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other: Temp Blank? ☐ Yes ☒ No

Thermometer Used: ☐ 140792808 Type of Ice: ☐ Wet ☐ Blue ☒ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read °C: Cooler Temp Corrected °C: AMB Biological Tissue Frozen? ☐ Yes ☐ No ☒ NA

Temp should be above freezing to 6°C Correction Factor: Date and Initials of Person Examining Contents: BM 5/4/18

Comments:

Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5. If Fecal: ☐ <8 hours ☐ >8, <24 hours ☐ >24 hours
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved containers.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT BM	☒ Yes	☐ No	☐ N/A	12. See below
All containers needing acid/base preservation will be checked and documented in the pH logbook.	☒ Yes	☐ No	☐ N/A	See pH log for results and additional preservation documentation
Headspace in Methyl Mercury Container	☐ Yes	☐ No	☒ N/A	13.
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution: #79 is crossed on COC but have container for it. Logged in. BM

FECAL WAIVER ON FILE Y N TEMPERATURE WAIVER ON FILE Y N

Project Manager Review: Date: 5/4/18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

May 11, 2018

Amy Weinzierl
Field Environmental Consulting
8612 Eagle Creek Parkway
Savage, MN 55378

RE: Project: 18111 ISD 831 ForestView Elem
Pace Project No.: 10430316

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jared Dickinson
jared.dickinson@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Steve Field, Field Environmental Consulting
General Mailbox, Field Environmental Consulting

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 18111 ISD 831 ForestView Elem
Pace Project No.: 10430316

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #:MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 18111 ISD 831 ForestView Elem
Pace Project No.: 10430316

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10430316001	**79-FV-S**	Water	05/08/18 06:30	05/08/18 12:50

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 18111 ISD 831 ForestView Elem
Pace Project No.: 10430316

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10430316001	**79-FV-S**	EPA 200.8	WBS	1

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 18111 ISD 831 ForestView Elem
Pace Project No.: 10430316

Sample: 79-FV-S **Lab ID: 10430316001** Collected: 05/08/18 06:30 Received: 05/08/18 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.3**	ug/L	0.10	1		05/10/18 15:46	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 18111 ISD 831 ForestView Elem
Pace Project No.: 10430316

QC Batch: 536986 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10430316001

METHOD BLANK: 2919213 Matrix: Water
Associated Lab Samples: 10430316001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	05/10/18 15:42	

LABORATORY CONTROL SAMPLE: 2919214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	95.7	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2919216 2919217

Parameter	Units	10430316001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	1.3	100	100	93.7	94.3	92	93	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 18111 ISD 831 ForestView Elem
Pace Project No.: 10430316

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18111 ISD 831 ForestView Elem
Pace Project No.: 10430316

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10430316001	**79-FV-S**	EPA 200.8	536986		

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed ac

WO# : 10430316

10430316

Section A
Required Client Information:

Company: Field Environmental
Address: 8612 Eagle Creek Savage MN 55378
Email To: amy@fieldconsultinginc.com
Phone: 952-746-5880 Fax:
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Amy Weinzetl
Copy To:
Purchase Order No.:
Project Name: FSD 831 Forest View Elem
Project Number: 18111

Section C
Invoice Information:

Attention: Jenny Field
Company Name: same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☑ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MN

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes
MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: Lead 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	79-FV-S	DW	G			5/8/18	6:30am		1	0									X		001
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
				Matt Pace	5/8/18	1250	18.6	N	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Steve Field

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 5/8/18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 02May2018 Page 1 of 2
	Document No.: **F-MN-L-213-rev.23**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: FIELD ENVIRONMENTAL

Project #: WO#: 10430316

PM: JDD Due Date: 05/21/18

CLIENT: FIELD ENV

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐Commercial ☐Pace ☐SpeeDee ☐Other:

Tracking Number:

Custody Seal on Cooler/Box Present? ☐Yes ☑No **Seals Intact?** ☐Yes ☑No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐Bubble Wrap ☐Bubble Bags ☑None ☐Other: **Temp Blank?** ☐Yes ☑No

Thermometer Used: ☐G87A9170600254 ☑G87A9155100842

Type of Ice: ☐Wet ☐Blue ☑None ☐Dry ☐Melted

Cooler Temp Read (°C): 18.6 **Cooler Temp Corrected (°C):** 18.6 **Biological Tissue Frozen?** ☐Yes ☐No ☑N/A

Temp should be above freezing to 6°C **Correction Factor:** TRUE **Date and Initials of Person Examining Contents:** HWF-5/8/18

USDA Regulated Soil (☑N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☐No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐Yes ☐No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑Yes	☐No		1.
Chain of Custody Filled Out?	☑Yes	☐No		2.
Chain of Custody Relinquished?	☐Yes	☑No		3.
Sampler Name and/or Signature on COC?	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time?	☑Yes	☐No		5.
Short Hold Time Analysis (<72 hr)?	☐Yes	☑No		6.
Rush Turn Around Time Requested?	☐Yes	☑No		7.
Sufficient Volume?	☑Yes	☐No		8.
Correct Containers Used?	☑Yes	☐No		9.
-Pace Containers Used?	☑Yes	☐No		
Containers Intact?	☑Yes	☐No		10.
Filtered Volume Received for Dissolved Tests?	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: WT	☑Yes	☐No		12.
All containers needing acid/base preservation have been checked?	☑Yes	☐No	☐N/A	13. ☑HNO_3 ☐H_2SO_4 ☐NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☐Yes	☑No	☐N/A	Sample # 1 1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes	☐No	☑N/A	Initial when completed: HWF Lot # of added preservative: 1117110
Headspace in VOA Vials (>6mm)?	☐Yes	☐No	☑N/A	14.
Trip Blank Present?	☐Yes	☐No	☑N/A	15.
Trip Blank Custody Seals Present?	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐Yes ☐No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: **Date:** 5/8/18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

SCUR Exceptions: Workorder #:

Issue	Sample ID	Container Type/#

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH Upon Receipt	Date Preservation Adjusted	Time Preservation Adjusted	Amount of Additional Preservative Added	Lot # of Preservative Added	pH After Adjustment	Initials
79-FV-S	HNO_3	7.0	5/8/18	1623	1ml	1117110	2.0	KMF