Field Environmental
consulting

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November 14, 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: Lino Lakes, Linwood, Scandia and Wyoming Elementary

PROJECT #: **19044**

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)." Following MDH guidance, Field Environmental Consulting, Inc. (FIELD ENVIRONMENTAL) tested water outlets using *high* and *medium* priority sampling strategies for Lino Lakes, Linwood, Scandia and Wyoming Elementary in October 2018. *NOTE: Columbus, Forest View and Forest Lake Elementary were initially tested in May 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

Given that lead is still found in many environments and products, it is important to recognize that attaining zero exposure to lead in drinking water may not be reasonable, or even possible. However, MDH strongly recommends that schools take remedial action if samples from drinking water produce lead levels greater than 20 ppb (or 20 µg/L, micrograms per liter). This is commonly referred to as the Action Level.

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.

Lino Lakes Elementary School:

Two (2) out of the seventy-seven (77) samples collected at Lino Lakes Elementary School were above the recommended limit of 20 ppb.

School Name: **Lino Lakes Elementary (LINO)**
Dates: **10/17/18 &10/31/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	207	Classroom	17	S	**24.5**
First	142	Kitchen	61	K	**372**

Linwood Elementary School:

Four (4) out of the forty-three (43) samples collected at Linwood Elementary School were above the recommended limit of 20 ppb.

School Name: **Linwood Elementary (LW)**
Date: **10/17/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	-	Kitchen	1	S	**45.8**
First	-	Kitchen	5	K	**20.8**
First	102	Classroom	8	S	**35.7**
First	1951	Classroom	19	S	**406**

Scandia Elementary School:

Four (4) out of the seventy (70) samples collected at Scandia Elementary School were above the recommended limit of 20 ppb.

School Name: **Scandia Elementary (SC)**
Date: **10/23/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	178	Classroom	4	DF	**33.2**
First	-	Kitchen	6	S	**79.5**
First	-	Kitchen	7	S	**78.1**
First	-	Kitchen	10	K	**24.2**

Wyoming Elementary School:

Two (2) out of the sixty-five (65) samples collected at Wyoming Elementary School were above the recommended limit of 20 ppb.

School Name: **Wyoming Elementary (WY)**
Date: **10/17/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	-	Kitchen	2	S	**21**
First	103	Classroom	57	S	**23**

V. RECOMMENDATIONS

As stated in the MDH guidance, priority action should be taken to reduce exposure to lead for those water outlets above the action level.

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

- Clean applicable aerator screens and devise ongoing preventative maintenance schedule. Without regular maintenance, such outlets may serve water with elevated lead levels.
- Distinguish those water taps/outlets that should not be used for drinking and instead mark with a sign or clearly identify such taps as “water not for drinking.”
- Remove tap/fixture from service. If the tap is seldom used, it may be disconnected or removed from the water supply line, however, verify that the tap is not required for local building code compliance.
- Replace with lead free fixture/plumbing component in accordance with Reduction of Lead in Drinking Water Act.
- Institute a flushing program; determine individual taps or main pipes.
- Filtration via Point-of-Use (POU) devices; approval may be subject to authority plan review.
- Treatment by adjusting the water chemistry; approval required by authority plan review.

Furthermore, water from other fixtures such as bathroom taps, hose bibs, or custodial closet sinks (*low priority* outlets) which are not normally deigned for human consumption should be clearly marked as such, otherwise, the District should consider testing for lead concentration for those additional taps/fixtures.

Minnesota Statutes section 121A.335, subdivision 5 requires a school district to "make the results of testing available to the public for review and must notify parents of the availability of the information." 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

VI. 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.

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

APPENDIX A

LOCATIONS AND RESULTS TABLES

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School Name: **Lino Lakes Elementary (LINO)**

Dates: **10/17/18 &10/31/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	-	Hallway	1	WC	ND
First	-	Hallway	2	WC	ND
First	-	Hallway	3	BF	ND
First	201	Classroom	4	S	ND
First	201	Classroom	5	DF	5.5
First	202	Classroom	6	S	7.2
First	202	Classroom	7	DF	ND
First	203	Classroom	8	DF	ND
First	203	Classroom	9	S	1.7
First	204	Classroom	10	S	5.5
First	204	Classroom	11	DF	ND
First	205	Classroom	12	DF	ND
First	205	Classroom	13	S	6.5
First	206	Classroom	14	S	2.8
First	206	Classroom	15	DF	ND
First	207	Classroom	16	S	8.8
First	207	Classroom	17	S	24.5
First	208	Classroom	18	DF	ND
First	208	Classroom	19	S	5.1
First	209	Classroom	20	S	5.7
First	209	Classroom	21	DF	ND
First	210	Classroom	22	DF	ND
First	210	Classroom	23	S	2.1
First	211	Classroom	24	S	5.8
First	211	Classroom	25	DF	ND
First	212	Classroom	26	DF	ND
First	212	Classroom	27	S	3.3
First	213	Classroom	28	S	8.3
First	-	Hallway	29	WC	ND
First	-	Hallway	30	WC	ND
First	-	Hallway	31	BF	ND
First	213	Classroom	32	DF	ND
First	177	Classroom	33	WC	ND
First	185	Classroom	34	S	4.2
First	185	Classroom	35	DF	ND
First	186	Classroom	36	S	2.4
First	186	Classroom	37	DF	ND
First	187	Classroom	38	S	7.3
First	187	Classroom	39	DF	ND
First	188	Classroom	40	S	6.8
First	188	Classroom	41	DF	4.3
First	189	Classroom	42	S	9.3
First	189	Classroom	43	DF	ND
First	190	Classroom	44	S	11
First	190	Classroom	45	DF	2.6
First	193	Classroom	46	S	15.2
First	193	Classroom	47	DF	ND
First	195	Classroom	48	S	1.4
First	195	Classroom	49	DF	ND
First	194	Classroom	50	S	1.5
First	194	Classroom	51	DF	ND
First	-	Hallway	52	WC	ND
First	-	Hallway	53	BF	ND
First	144	Kitchen	54	S	ND
First	144	Kitchen	55	S	ND
First	142	Kitchen	56	S	19
First	142	Kitchen	57	K	1.6
First	142	Kitchen	58	S	5.9

ND = none detected

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School Name: **Lino Lakes Elementary (LINO)**

Dates: **10/17/18 &10/31/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	142	Kitchen	59	S	3
First	142	Kitchen	60	S	1.1
First	142	Kitchen	61	K	372
First	-	Hallway	62	WC	ND
First	-	Hallway	63	BF	ND
First	-	Hallway	64	WC	ND
First	132	Classroom	65	S	1.8
First	130	Classroom	66	S	3
First	163	Classroom	67	S	3.9
First	163	Classroom	68	DF	ND
First	165	Classroom	69	S	2.3
First	165	Classroom	70	DF	0.7
First	167	Classroom	71	S	0.87
First	167	Classroom	72	DF	1.1
First	169	Classroom	73	S	0.69
First	169	Classroom	74	S	ND
First	-	Hallway	75	DF	2.5
First	-	Work Room	76	S	3.5
First	137	Classroom	77	S	1.6

ND = none detected

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School Name: **Linwood Elementary (LW)**
Date: **10/17/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	-	Kitchen	1	S	**45.8**
First	-	Kitchen	2	S	**5.9**
First	-	Kitchen	3	S	1.4
First	-	Kitchen	4	S	**12**
First	-	Kitchen	5	K	**20.8**
First	-	Nurse	6	S	1.5
First	-	Nurse	7	S	**4.8**
First	102	Classroom	8	S	**35.7**
First	101	Classroom	9	S	**15.5**
First	101	Classroom	10	DF	1.7
First	105	Classroom	11	S	**12.8**
First	105	Classroom	12	DF	**15.2**
First	107	Classroom	13	S	**2.5**
First	107	Classroom	14	DF	0.84
First	-	Hallway	15	WC	0.2
First	1919	Classroom	16	S	0.78
First	1919	Classroom	17	DF	1.7
First	-	Hallway	18	DF	**4.1**
First	1951	Classroom	19	S	**406**
First	109	Classroom	20	S	1.7
First	109	Classroom	21	DF	0.51
First	112	Classroom	22	S	**3.2**
First	112	Classroom	23	DF	**5.9**
First	1918	Classroom	24	S	1.4
First	1918	Classroom	25	DF	0.53
First	1921	Classroom	26	S	**3.6**
First	1921	Classroom	27	DF	**4.6**
First	113	Classroom	28	S	**5.6**
First	113	Classroom	29	DF	**3.1**
First	111	Classroom	30	S	**4.8**
First	111	Classroom	31	DF	**5.4**
First	103	Classroom	32	S	**19.2**
First	103	Classroom	33	DF	1.8
First	300	Classroom	34	S	1.1
First	300	Classroom	35	DF	0.3
First	302	Classroom	36	S	1.5
First	302	Classroom	37	DF	**18.5**
First	304	Classroom	38	S	0.64
First	306	Classroom	39	S	**2.2**
First	306	Classroom	40	DF	**2.5**
First	-	Media	41	S	1
First	404	Classroom	42	S	0.75
First	406	Classroom	43	S	**2.1**

ND = none detected

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School Name: **Scandia Elementary (SC)**
Date: **10/23/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	179	Classroom	1	S	**11.9**
First	179	Classroom	2	DF	**3.3**
First	178	Classroom	3	S	**8**
First	178	Classroom	4	DF	**33.2**
First	-	Kitchen	5	S	**7.3**
First	-	Kitchen	6	S	**79.5**
First	-	Kitchen	7	S	**78.1**
First	-	Kitchen	8	S	**16.4**
Sample #9 was collected on a handsink in kitchen and not analyzed					
First	-	Kitchen	10	K	**24.2**
First	-	Cafeteria	11	DF	**10**
First	177	Classroom	12	S	1.6
First	177	Classroom	13	DF	0.83
First	107	Classroom	14	S	1.2
First	106	Classroom	15	S	1.7
First	157	Classroom	16	DF	1.6
First	157	Classroom	17	S	**3.3**
First	158	Classroom	18	DF	0.7
First	158	Classroom	19	S	1.1
First	159	Classroom	20	WC	0.33
First	-	Gym	21	DF	**3.8**
First	167	Classroom	22	S	1.1
First	155	Classroom	23	S	**3**
First	155	Classroom	24	DF	1.4
First	154	Classroom	25	DF	0.4
First	154	Classroom	26	S	0.93
First	153	Classroom	27	S	**2**
First	153	Classroom	28	DF	0.27
First	151	Classroom	29	S	**2.5**
First	151	Classroom	30	DF	1.7
First	-	Hall	31	WC	ND
First	-	Hall	32	WC	ND
First	-	Hall	33	BF	ND
First	148	Classroom	34	S	**2.2**
First	148	Classroom	35	DF	1.7
First	148	Classroom	36	S	**2.6**
First	143	Classroom	37	S	**2.9**
First	143	Classroom	38	DF	1.2
First	141	Classroom	39	S	**2.5**
First	141	Classroom	40	DF	0.4
First	138	Classroom	41	S	**2.8**
First	131	Classroom	42	S	**2.8**
First	129	Classroom	43	S	**2.9**
First	129	Classroom	44	DF	0.66
First	128	Classroom	45	DF	0.46
First	128	Classroom	46	S	1.5
First	127	Classroom	47	DF	1.1
First	127	Classroom	48	S	1.6
First	126	Classroom	49	DF	0.48

School Name: **Scandia Elementary (SC)**
Date: **10/23/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	126	Classroom	50	S	1.7
First	125	Classroom	51	DF	0.37
First	125	Classroom	52	S	0.65
First	121	Classroom	53	S	1.3
First	121	Classroom	54	DF	0.8
First	119	Classroom	55	DF	1.5
First	119	Classroom	56	S	0.99
First	-	Hall	57	WC	ND
First	-	Hall	58	WC	ND
First	-	Hall	59	BF	ND
First	116	Classroom	60	DF	0.65
First	116	Classroom	61	S	0.81
First	115	Classroom	62	DF	0.47
First	115	Classroom	63	S	1.7
First	114	Classroom	64	DF	0.52
First	114	Classroom	65	S	1.6
First	113	Classroom	66	DF	0.51
First	113	Classroom	67	S	0.91
First	112	Classroom	68	DF	0.46
First	112	Classroom	69	S	1.1
First	110	Classroom	70	S	1.7
First	110	Classroom	71	DF	0.76

School Name: **Wyoming Elementary (WY)**
Date: **10/17/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	-	Kitchen	1	S	**4.2**
First	-	Kitchen	2	S	**21**
First	-	Kitchen	3	S	**4**
First	-	Kitchen	4	K	**5**
First	-	Kitchen	5	S	1.9
First	-	Kitchen	6	S	**3.5**
First	143	Classroom	7	S	**16.5**
First	142	Classroom	8	S	**2.9**
First	141	Classroom	9	S	0.64
First	140	Classroom	10	S	0.52
First	138	Classroom	11	DF	0.27
First	138	Classroom	12	S	0.64
First	136	Classroom	13	S	1.1
First	135	Classroom	14	S	**3.6**
First	134	Classroom	15	S	**2**
First	133	Classroom	16	S	1.6
First	132	Classroom	17	S	**9.8**
First	131	Classroom	18	S	**3.3**
First	130	Classroom	19	S	**6.4**
First	129	Classroom	20	S	**11.3**
First	126	Classroom	21	S	0.82
First	217	Classroom	22	S	0.46
First	125	Classroom	23	DF	**3.8**
First	125	Classroom	24	S	1.2
First	124	Classroom	25	DF	0.41
First	124	Classroom	26	S	0.56
First	123	Classroom	27	S	1.3
First	123	Classroom	28	DF	0.88
First	122	Classroom	29	S	1.1
First	122	Classroom	30	DF	0.5
First	121	Classroom	31	DF	1.1
First	121	Classroom	32	S	**2.1**
First	119	Classroom	33	DF	1.1
First	119	Classroom	34	S	0.88
First	118	Classroom	35	DF	0.7
First	118	Classroom	36	S	0.71
First	117	Classroom	37	S	1.6
First	117	Classroom	38	DF	0.65
First	116	Classroom	39	DF	1.2
First	116	Classroom	40	S	0.57
First	115	Classroom	41	S	0.47
First	115	Classroom	42	DF	1.1
First	113	Classroom	43	S	0.87

School Name: **Wyoming Elementary (WY)**
Date: **10/17/18**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)
First	114	Classroom	44	S	**7.2**
First	-	Hallway	45	WC	ND
First	-	Hallway	46	DF	1.1
First	-	Hallway	47	DF	**2.6**
First	112	Classroom	48	S	**17.3**
First	111	Classroom	49	S	**2.2**
First	110	Classroom	50	S	**2.1**
First	110	Classroom	51	S	**3.5**
First	109	Classroom	52	S	1.2
First	108	Classroom	53	S	**11.5**
First	107	Classroom	54	S	1.1
First	106	Classroom	55	S	1.3
First	104	Classroom	56	S	**2.8**
First	103	Classroom	57	S	**23**
First	-	Hallway	58	DF	1
First	-	Hallway	59	DF	0.77
First	102	Classroom	60	S	**5.2**
First	139	Classroom	61	S	**10**
First	101	Classroom	62	S	**3.5**
First	-	Nurse	63	S	1.3
First	-	Main Office	64	S	**4.6**
First	-	Hallway	65	DF	1.3

APPENDIX B

Drawings

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Lino Lakes Elementary School
Lead in Drinking Water
Project # 19044

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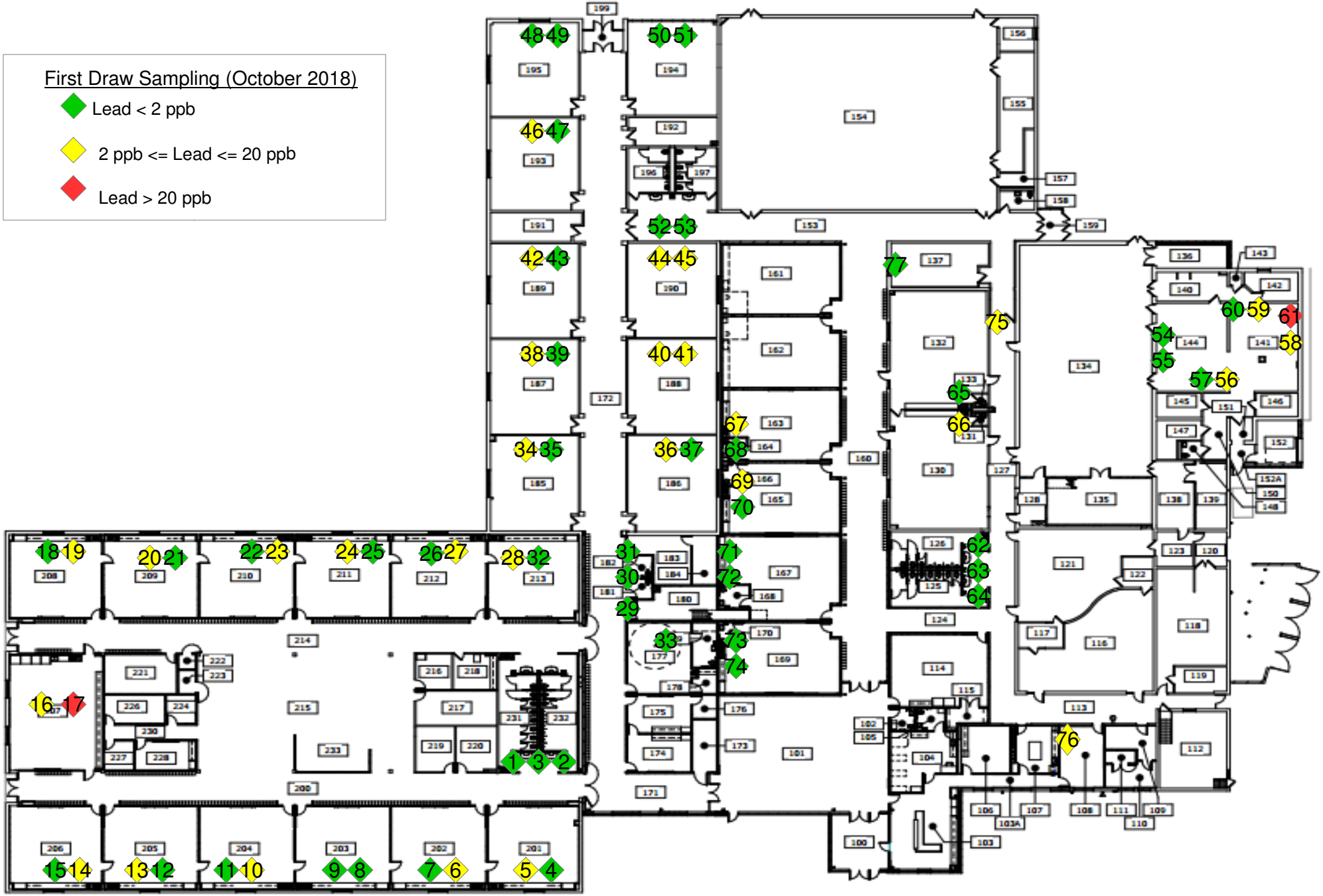
First Draw Sampling (October 2018)

- Lead < 2 ppb
- 2 ppb <= Lead <= 20 ppb
- Lead > 20 ppb



Linwood Elementary School
Lead in Drinking Water
Project # 19044

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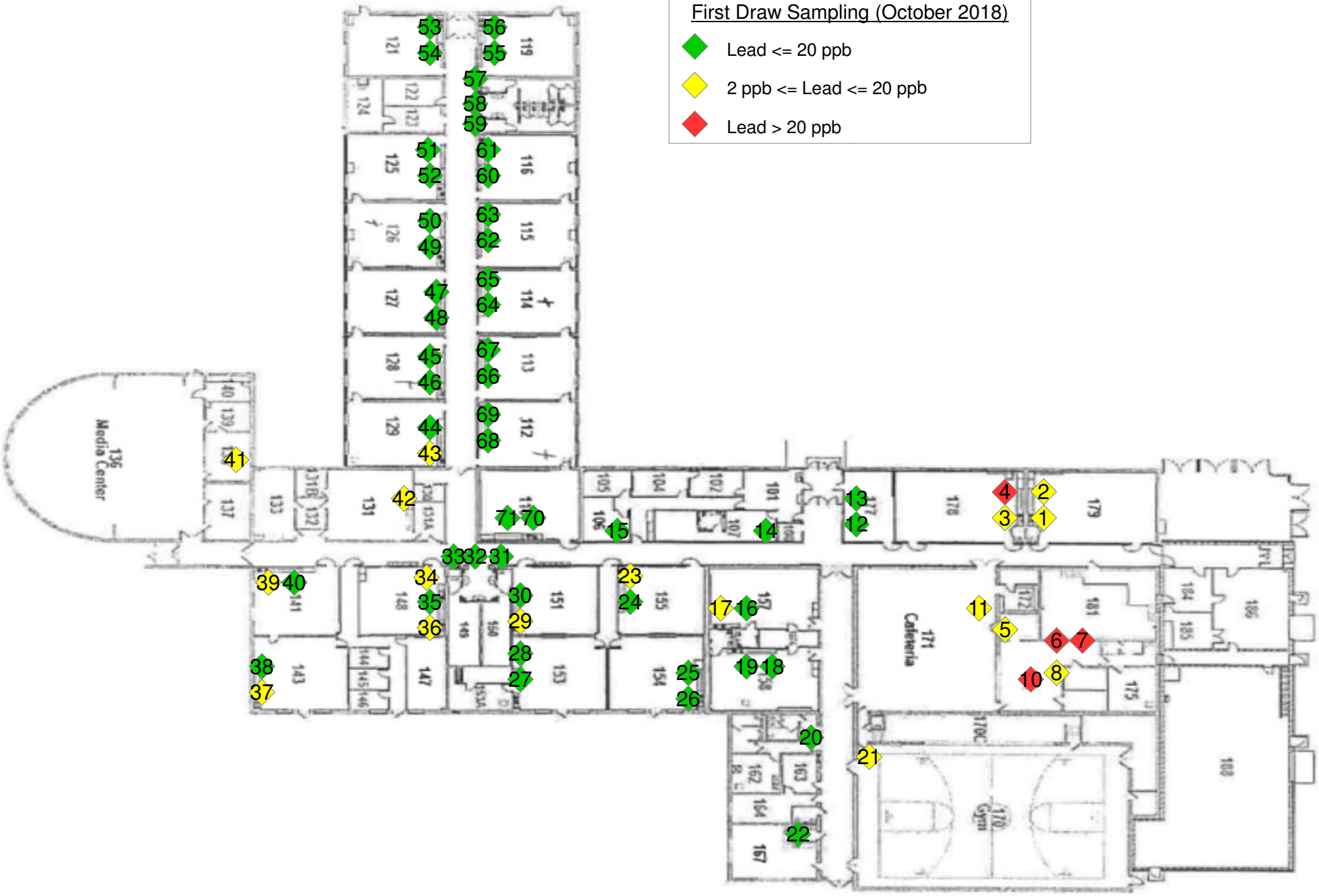
First Draw Sampling (October 2018)

- Lead <= 2 ppb
- 2 ppb <= Lead <= 20 ppb
- Lead > 20 ppb

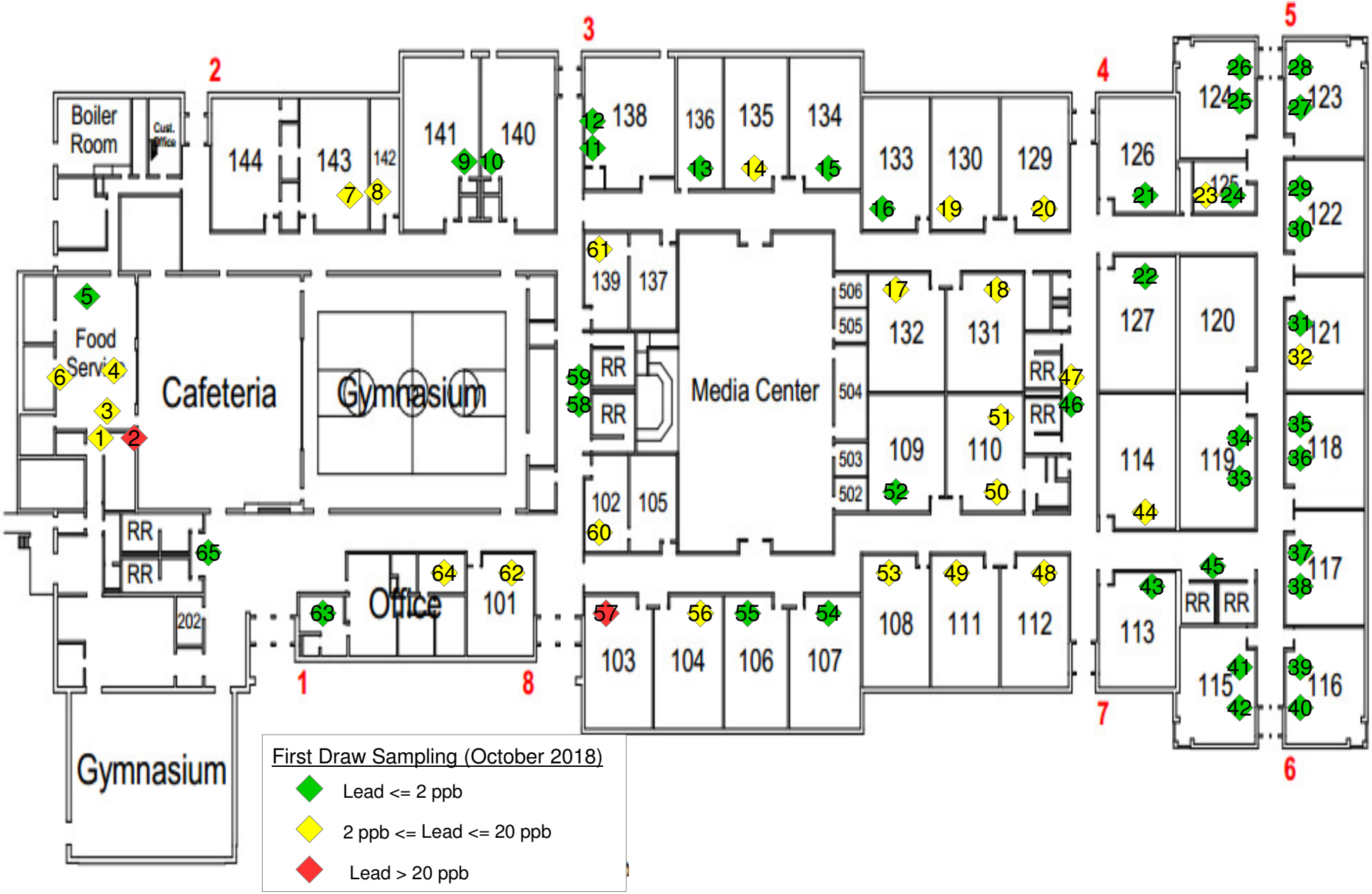
Scandia Elementary School
Lead in Drinking Water
Project # 19044

Field Environmental consulting



Wyoming Elementary School
Lead in Drinking Water
Project # 19044

Field Environmental consulting



APPENDIX C

LABORATORY REPORTS

Field Environmental consulting

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 30, 2018

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

RE: Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 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.

This report was revised on October 30, 2018 to remove results for samples 061 through 074.

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: General Mailbox, Field Environmental Consulting

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Grand Rapids Certification ID's

5560 Corporate Exchange Ct SE, Grand Rapids, MI 49512
Minnesota Department of Health, Certificate #1385941
Arkansas Department of Environmental Quality, Certificate #18-046-0
Georgia Environmental Protection Division, Stipulation
Illinois Environmental Protection Agency, Certificate #004325
Michigan Department of Environmental Quality, Laboratory #0034
New York State Department of Health, Serial #57971 and 57972
North Carolina Division of Water Resources, Certificate #659
Virginia Department of General Services, Certificate #9780
Wisconsin Department of Natural Resources, Laboratory #999472650
U.S. Department of Agriculture Permit to Receive Soil, Permit #P330-17-00278

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452341001	01-LINO-WC	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341002	02-LINO-WC	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341003	03-LINO-BF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341004	04-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341005	05-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341006	06-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341007	07-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341008	08-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341009	09-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341010	10-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341011	11-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341012	12-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341013	13-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341014	14-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341015	15-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341016	16-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341017	17-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341018	18-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341019	19-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341020	20-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341021	21-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341022	22-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341023	23-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341024	24-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341025	25-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341026	26-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341027	27-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341028	28-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341029	29-LINO-WC	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341030	30-LINO-WC	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341031	31-LINO-BF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341032	32-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341033	33-LINO-WC	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341034	34-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341035	35-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341036	36-LINO-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341037	37-LINO-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452341038	**38-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341039	**39-LINO-DF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341040	**40-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341041	**41-LINO-DF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341042	**42-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341043	**43-LINO-DF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341044	**44-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341045	**45-LINO-DF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341046	**46-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341047	**47-LINO-DF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341048	**48-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341049	**49-LINO-DF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341050	**50-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341051	**51-LINO-DF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341052	**52-LINO-WC**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341053	**53-LINO-BF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341054	**54-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341055	**55-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341056	**56-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341057	**57-LINO-K**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341058	**58-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341059	**59-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452341060	**60-LINO-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10452341001	01-LINO-WC	EPA 200.8	CKD	1	PASI-GRMI
10452341002	02-LINO-WC	EPA 200.8	CKD	1	PASI-GRMI
10452341003	03-LINO-BF	EPA 200.8	CKD	1	PASI-GRMI
10452341004	04-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341005	05-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341006	06-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341007	07-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341008	08-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341009	09-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341010	10-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341011	11-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341012	12-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341013	13-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341014	14-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341015	15-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341016	16-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341017	17-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341018	18-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341019	19-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341020	20-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341021	21-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341022	22-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341023	23-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341024	24-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341025	25-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341026	26-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341027	27-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341028	28-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341029	29-LINO-WC	EPA 200.8	CKD	1	PASI-GRMI
10452341030	30-LINO-WC	EPA 200.8	CKD	1	PASI-GRMI
10452341031	31-LINO-BF	EPA 200.8	CKD	1	PASI-GRMI
10452341032	32-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341033	33-LINO-WC	EPA 200.8	CKD	1	PASI-GRMI
10452341034	34-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341035	35-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI
10452341036	36-LINO-S	EPA 200.8	CKD	1	PASI-GRMI
10452341037	37-LINO-DF	EPA 200.8	CKD	1	PASI-GRMI

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SAMPLE ANALYTE COUNT

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10452341038	**38-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341039	**39-LINO-DF**	EPA 200.8	CKD	1	PASI-GRMI
10452341040	**40-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341041	**41-LINO-DF**	EPA 200.8	CKD	1	PASI-GRMI
10452341042	**42-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341043	**43-LINO-DF**	EPA 200.8	CKD	1	PASI-GRMI
10452341044	**44-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341045	**45-LINO-DF**	EPA 200.8	CKD	1	PASI-GRMI
10452341046	**46-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341047	**47-LINO-DF**	EPA 200.8	CKD	1	PASI-GRMI
10452341048	**48-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341049	**49-LINO-DF**	EPA 200.8	CKD	1	PASI-GRMI
10452341050	**50-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341051	**51-LINO-DF**	EPA 200.8	CKD	1	PASI-GRMI
10452341052	**52-LINO-WC**	EPA 200.8	CKD	1	PASI-GRMI
10452341053	**53-LINO-BF**	EPA 200.8	CKD	1	PASI-GRMI
10452341054	**54-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341055	**55-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341056	**56-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341057	**57-LINO-K**	EPA 200.8	CKD	1	PASI-GRMI
10452341058	**58-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341059	**59-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI
10452341060	**60-LINO-S**	EPA 200.8	CKD	1	PASI-GRMI

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 01-LINO-WC **Lab ID: 10452341001** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 16:27	7439-92-1	

Sample: 02-LINO-WC **Lab ID: 10452341002** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 16:33	7439-92-1	

Sample: 03-LINO-BF **Lab ID: 10452341003** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 16:34	7439-92-1	

Sample: 04-LINO-S **Lab ID: 10452341004** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 16:35	7439-92-1	

Sample: 05-LINO-DF **Lab ID: 10452341005** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**5.5**	ug/L	1.0	1		10/29/18 11:46	7439-92-1	

Sample: 06-LINO-S **Lab ID: 10452341006** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**7.2**	ug/L	1.0	1		10/29/18 11:47	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 07-LINO-DF **Lab ID: 10452341007** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 16:44	7439-92-1	

Sample: 08-LINO-DF **Lab ID: 10452341008** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 16:45	7439-92-1	

Sample: 09-LINO-S **Lab ID: 10452341009** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	1.0	1		10/26/18 16:47	7439-92-1	

Sample: 10-LINO-S **Lab ID: 10452341010** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**5.5**	ug/L	1.0	1		10/29/18 11:49	7439-92-1	

Sample: 11-LINO-DF **Lab ID: 10452341011** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 16:49	7439-92-1	

Sample: 12-LINO-DF **Lab ID: 10452341012** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 16:55	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 13-LINO-S **Lab ID: 10452341013** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**6.5**	ug/L	1.0	1		10/29/18 11:50	7439-92-1	

Sample: 14-LINO-S **Lab ID: 10452341014** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**2.8**	ug/L	1.0	1		10/29/18 11:52	7439-92-1	

Sample: 15-LINO-DF **Lab ID: 10452341015** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:01	7439-92-1	

Sample: 16-LINO-S **Lab ID: 10452341016** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**8.8**	ug/L	1.0	1		10/29/18 11:53	7439-92-1	

Sample: 17-LINO-S **Lab ID: 10452341017** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**24.5**	ug/L	1.0	1		10/29/18 11:54	7439-92-1	

Sample: 18-LINO-DF **Lab ID: 10452341018** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:05	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 19-LINO-S **Lab ID: 10452341019** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**5.1**	ug/L	1.0	1		10/29/18 11:56	7439-92-1	

Sample: 20-LINO-S **Lab ID: 10452341020** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**5.7**	ug/L	1.0	1		10/29/18 11:57	7439-92-1	

Sample: 21-LINO-DF **Lab ID: 10452341021** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:18	7439-92-1	

Sample: 22-LINO-DF **Lab ID: 10452341022** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:20	7439-92-1	

Sample: 23-LINO-S **Lab ID: 10452341023** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**2.1**	ug/L	1.0	1		10/29/18 12:07	7439-92-1	

Sample: 24-LINO-S **Lab ID: 10452341024** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**5.8**	ug/L	1.0	1		10/29/18 12:09	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 25-LINO-DF **Lab ID: 10452341025** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:24	7439-92-1	

Sample: 26-LINO-DF **Lab ID: 10452341026** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:25	7439-92-1	

Sample: 27-LINO-S **Lab ID: 10452341027** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**3.3**	ug/L	1.0	1		10/29/18 12:10	7439-92-1	

Sample: 28-LINO-S **Lab ID: 10452341028** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**8.3**	ug/L	1.0	1		10/29/18 12:11	7439-92-1	

Sample: 29-LINO-WC **Lab ID: 10452341029** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:32	7439-92-1	

Sample: 30-LINO-WC **Lab ID: 10452341030** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:33	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 31-LINO-BF **Lab ID: 10452341031** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:38	7439-92-1	

Sample: 32-LINO-DF **Lab ID: 10452341032** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:39	7439-92-1	

Sample: 33-LINO-WC **Lab ID: 10452341033** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:41	7439-92-1	

Sample: 34-LINO-S **Lab ID: 10452341034** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**4.2**	ug/L	1.0	1		10/26/18 17:42	7439-92-1	

Sample: 35-LINO-DF **Lab ID: 10452341035** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:51	7439-92-1	

Sample: 36-LINO-S **Lab ID: 10452341036** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**2.4**	ug/L	1.0	1		10/26/18 17:53	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 37-LINO-DF **Lab ID: 10452341037** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:54	7439-92-1	

Sample: 38-LINO-S **Lab ID: 10452341038** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**7.3**	ug/L	1.0	1		10/26/18 17:55	7439-92-1	

Sample: 39-LINO-DF **Lab ID: 10452341039** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 17:57	7439-92-1	

Sample: 40-LINO-S **Lab ID: 10452341040** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**6.8**	ug/L	1.0	1		10/26/18 18:01	7439-92-1	

Sample: 41-LINO-DF **Lab ID: 10452341041** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**4.3**	ug/L	1.0	1		10/26/18 18:10	7439-92-1	

Sample: 42-LINO-S **Lab ID: 10452341042** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**9.3**	ug/L	1.0	1		10/26/18 18:11	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 43-LINO-DF **Lab ID: 10452341043** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 18:12	7439-92-1	

Sample: 44-LINO-S **Lab ID: 10452341044** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**11.0**	ug/L	1.0	1		10/26/18 18:14	7439-92-1	

Sample: 45-LINO-DF **Lab ID: 10452341045** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	1.0	1		10/26/18 18:15	7439-92-1	

Sample: 46-LINO-S **Lab ID: 10452341046** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**15.2**	ug/L	1.0	1	10/26/18 07:18	10/29/18 12:43	7439-92-1	

Sample: 47-LINO-DF **Lab ID: 10452341047** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 18:16	7439-92-1	

Sample: 48-LINO-S **Lab ID: 10452341048** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.4**	ug/L	1.0	1		10/26/18 18:17	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 49-LINO-DF **Lab ID: 10452341049** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 18:19	7439-92-1	

Sample: 50-LINO-S **Lab ID: 10452341050** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.5**	ug/L	1.0	1		10/26/18 18:20	7439-92-1	

Sample: 51-LINO-DF **Lab ID: 10452341051** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 18:24	7439-92-1	

Sample: 52-LINO-WC **Lab ID: 10452341052** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 18:29	7439-92-1	

Sample: 53-LINO-BF **Lab ID: 10452341053** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 18:31	7439-92-1	

Sample: 54-LINO-S **Lab ID: 10452341054** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 18:32	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Sample: 55-LINO-S **Lab ID: 10452341055** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	ND	ug/L	1.0	1		10/26/18 18:33	7439-92-1	

Sample: 56-LINO-S **Lab ID: 10452341056** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**19.0**	ug/L	1.0	1		10/26/18 18:34	7439-92-1	

Sample: 57-LINO-K **Lab ID: 10452341057** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.6**	ug/L	1.0	1		10/26/18 18:36	7439-92-1	

Sample: 58-LINO-S **Lab ID: 10452341058** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**5.9**	ug/L	1.0	1		10/26/18 18:40	7439-92-1	

Sample: 59-LINO-S **Lab ID: 10452341059** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**3.0**	ug/L	1.0	1		10/26/18 18:41	7439-92-1	

Sample: 60-LINO-S **Lab ID: 10452341060** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	1.0	1		10/26/18 18:45	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

QC Batch: 36755 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 10452341001, 10452341002, 10452341003, 10452341004, 10452341007, 10452341008, 10452341009, 10452341011, 10452341012, 10452341015, 10452341018

METHOD BLANK: 148305 Matrix: Water
Associated Lab Samples: 10452341001, 10452341002, 10452341003, 10452341004, 10452341007, 10452341008, 10452341009, 10452341011, 10452341012, 10452341015, 10452341018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	10/26/18 16:25	

LABORATORY CONTROL SAMPLE: 148306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	20	20.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148307 148308

Parameter	Units	10452341001 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	20	20	20.6	20.9	103	104	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148310 148311

Parameter	Units	10452341011 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	20	20	20.8	21.0	102	103	70-130	1	20	

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QUALITY CONTROL DATA

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

QC Batch: 36756 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 10452341021, 10452341022, 10452341025, 10452341026, 10452341029, 10452341030, 10452341031, 10452341032, 10452341033, 10452341034, 10452341035, 10452341036, 10452341037, 10452341038, 10452341039

METHOD BLANK: 148313 Matrix: Water
Associated Lab Samples: 10452341021, 10452341022, 10452341025, 10452341026, 10452341029, 10452341030, 10452341031, 10452341032, 10452341033, 10452341034, 10452341035, 10452341036, 10452341037, 10452341038, 10452341039

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	10/26/18 17:08	

LABORATORY CONTROL SAMPLE: 148314

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	20	20.1	100	85-115	

MATRIX SPIKE SAMPLE: 148318

Parameter	Units	10452341030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	20	20.9	104	70-130	

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QUALITY CONTROL DATA

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

QC Batch: 36757 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 10452341040, 10452341041, 10452341042, 10452341043, 10452341044, 10452341045, 10452341047, 10452341048, 10452341049, 10452341050, 10452341051, 10452341052, 10452341053, 10452341054, 10452341055, 10452341056, 10452341057, 10452341058, 10452341059

METHOD BLANK: 148321 Matrix: Water
Associated Lab Samples: 10452341040, 10452341041, 10452341042, 10452341043, 10452341044, 10452341045, 10452341047, 10452341048, 10452341049, 10452341050, 10452341051, 10452341052, 10452341053, 10452341054, 10452341055, 10452341056, 10452341057, 10452341058, 10452341059

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	10/26/18 17:58	

LABORATORY CONTROL SAMPLE: 148322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	20	20.1	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148323 148324

Parameter	Units	10452341040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	6.8	20	20	26.7	26.6	100	99	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148326 148327

Parameter	Units	10452341051 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	20	20	21.5	21.3	106	105	70-130	1	20	

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QUALITY CONTROL DATA

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

QC Batch: 36758 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 10452341060

METHOD BLANK: 148329 Matrix: Water
Associated Lab Samples: 10452341060

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	10/26/18 18:42	

LABORATORY CONTROL SAMPLE: 148330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	20	19.9	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148331 148332

Parameter	Units	10452341060 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	1.1	20	20	21.6	21.4	103	102	70-130	1	20	

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QUALITY CONTROL DATA

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

QC Batch: 36910 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep
Associated Lab Samples: 10452341005, 10452341006, 10452341010, 10452341013, 10452341014, 10452341016, 10452341017, 10452341019, 10452341020, 10452341023, 10452341024, 10452341027, 10452341028

METHOD BLANK: 148998 Matrix: Water
Associated Lab Samples: 10452341005, 10452341006, 10452341010, 10452341013, 10452341014, 10452341016, 10452341017, 10452341019, 10452341020, 10452341023, 10452341024, 10452341027, 10452341028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	10/29/18 12:32	

LABORATORY CONTROL SAMPLE: 148999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	20	20.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148992 148993

Parameter	Units	10452341020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	5.7	20	20	25.7	25.9	100	101	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148995 148996

Parameter	Units	10452341071 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	20	20	25.5	25.6	100	100	70-130	0	20	

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QUALITY CONTROL DATA

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

QC Batch: 36687 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 10452341046

METHOD BLANK: 148059 Matrix: Water
Associated Lab Samples: 10452341046

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	10/29/18 12:40	

LABORATORY CONTROL SAMPLE: 148060

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.6	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 148061 148062

Parameter	Units	10452341046 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	15.2	50	50	63.1	63.8	96	97	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: 19044 - LINO-Revised Report
Pace Project No.: 10452341

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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-GRMI Pace Analytical Services - Grand Rapids Michigan

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452341001	**01-LINO-WC**	EPA 200.8	36755		
10452341002	**02-LINO-WC**	EPA 200.8	36755		
10452341003	**03-LINO-BF**	EPA 200.8	36755		
10452341004	**04-LINO-S**	EPA 200.8	36755		
10452341005	**05-LINO-DF**	EPA 200.8	36910		
10452341006	**06-LINO-S**	EPA 200.8	36910		
10452341007	**07-LINO-DF**	EPA 200.8	36755		
10452341008	**08-LINO-DF**	EPA 200.8	36755		
10452341009	**09-LINO-S**	EPA 200.8	36755		
10452341010	**10-LINO-S**	EPA 200.8	36910		
10452341011	**11-LINO-DF**	EPA 200.8	36755		
10452341012	**12-LINO-DF**	EPA 200.8	36755		
10452341013	**13-LINO-S**	EPA 200.8	36910		
10452341014	**14-LINO-S**	EPA 200.8	36910		
10452341015	**15-LINO-DF**	EPA 200.8	36755		
10452341016	**16-LINO-S**	EPA 200.8	36910		
10452341017	**17-LINO-S**	EPA 200.8	36910		
10452341018	**18-LINO-DF**	EPA 200.8	36755		
10452341019	**19-LINO-S**	EPA 200.8	36910		
10452341020	**20-LINO-S**	EPA 200.8	36910		
10452341021	**21-LINO-DF**	EPA 200.8	36756		
10452341022	**22-LINO-DF**	EPA 200.8	36756		
10452341023	**23-LINO-S**	EPA 200.8	36910		
10452341024	**24-LINO-S**	EPA 200.8	36910		
10452341025	**25-LINO-DF**	EPA 200.8	36756		
10452341026	**26-LINO-DF**	EPA 200.8	36756		
10452341027	**27-LINO-S**	EPA 200.8	36910		
10452341028	**28-LINO-S**	EPA 200.8	36910		
10452341029	**29-LINO-WC**	EPA 200.8	36756		
10452341030	**30-LINO-WC**	EPA 200.8	36756		
10452341031	**31-LINO-BF**	EPA 200.8	36756		
10452341032	**32-LINO-DF**	EPA 200.8	36756		
10452341033	**33-LINO-WC**	EPA 200.8	36756		
10452341034	**34-LINO-S**	EPA 200.8	36756		
10452341035	**35-LINO-DF**	EPA 200.8	36756		
10452341036	**36-LINO-S**	EPA 200.8	36756		
10452341037	**37-LINO-DF**	EPA 200.8	36756		
10452341038	**38-LINO-S**	EPA 200.8	36756		
10452341039	**39-LINO-DF**	EPA 200.8	36756		
10452341040	**40-LINO-S**	EPA 200.8	36757		
10452341041	**41-LINO-DF**	EPA 200.8	36757		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 19044 - LINO-Revised Report
Pace Project No.: 10452341

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452341042	**42-LINO-S**	EPA 200.8	36757		
10452341043	**43-LINO-DF**	EPA 200.8	36757		
10452341044	**44-LINO-S**	EPA 200.8	36757		
10452341045	**45-LINO-DF**	EPA 200.8	36757		
10452341047	**47-LINO-DF**	EPA 200.8	36757		
10452341048	**48-LINO-S**	EPA 200.8	36757		
10452341049	**49-LINO-DF**	EPA 200.8	36757		
10452341050	**50-LINO-S**	EPA 200.8	36757		
10452341051	**51-LINO-DF**	EPA 200.8	36757		
10452341052	**52-LINO-WC**	EPA 200.8	36757		
10452341053	**53-LINO-BF**	EPA 200.8	36757		
10452341054	**54-LINO-S**	EPA 200.8	36757		
10452341055	**55-LINO-S**	EPA 200.8	36757		
10452341056	**56-LINO-S**	EPA 200.8	36757		
10452341057	**57-LINO-K**	EPA 200.8	36757		
10452341058	**58-LINO-S**	EPA 200.8	36757		
10452341059	**59-LINO-S**	EPA 200.8	36757		
10452341060	**60-LINO-S**	EPA 200.8	36758		
10452341046	**46-LINO-S**	EPA 200.8	36687	EPA 200.8	36843

CHAIN-OF-CUSTODY / Analytical Request Document

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 1 of 7

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044-LINO
Project Name: [redacted]
Project Number: 19044-[redacted]
Requested Due Date/TAT: 2 wk

Section C Invoice Information:

Attention: Jenny Frei
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

Requested Analysis Filtered (Y/N)

WO#: 10452341

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	Pace Project No./ Lab I.D.
1	01-LINO-WC	DW	G			10/17/18	6		1									Y	001
2	02-LINO-WC																		002
3	03-LINO-BF																		003
4	04-LINO-S																		004
5	05-LINO-DF																		005
6	06-LINO-S																		006
7	07-LINO-DF																		007
8	08-LINO-DF																		008
9	09-LINO-S																		009
10	10-LINO-S																		010
11	11-LINO-DF																		011
12	12-LINO-DF																		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		10/17/18	1035	Pace	10/17/18	1035	16.7 N N Y
							16.0
							14.7

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CHAIN-OF-CUSTODY / Analytical Request Document

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 2 of 7

Section B Required Project Information:

Report To:	Amy Weinzierl
Copy To:	
Purchase Order No.:	19044-LINO
Project Name:	[redacted]
Project Number:	19044-LINO
Requested Due Date/TAT:	2WK

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

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	DG Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	13-LINO-S	DW	G			10/17/18	6		1												013
2	14-LINO-S																				014
3	15-LINO-DF																				015
4	16-LINO-S																				016
5	17-LINO-S																				017
6	18-LINO-PE																				018
7	19-LINO-S																				019
8	20-LINO-S																				020
9	21-LINO-DF																				021
10	22-LINO-DF																				022
11	23-LINO-S																				023
12	24-LINO-S																				024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[redacted]	10/17/18	1730	[redacted] Pace	10/17/18	1035	16-7	N	N	Y
							16.0			
							14.7			

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 3 of 7

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044-LINO
Project Name: [illegible]
Project Number: 19044-LINO
Requested Due Date/TAT: 2 WK

Section C Invoice Information:

Attention: Jenny Fiebig
Company Name: SAME
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 1775, 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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: 40 Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	25-LINO-DF	DW	G			10/17/18	6		1												025
2	26-LINO-DF								1												026
3	27-LINO-S																				027
4	28-LINO-S																				028
5	29-LINO-WC																				029
6	30-LINO-WC																				030
7	31-LINO-DF																				031
8	32-LINO-DF																				032
9	33-LINO-WC																				033
10	34-LINO-S																				034
11	35-LINO-DF																				035
12	36-LINO-S																				036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		10/17/18	1035	Matt Pace	10/17/18	1035	16.7 N N Y
							16.0
							14.7

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 7 WR

Page: 4 of 7

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044-LINC
Project Name: ~~[illegible]~~
Project Number: 19044-~~[illegible]~~

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

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	Y/N	Analysis Test: Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	37-LINO-DF	DW	G			10/17/18	6	1										Y	1		037
2	38-LINO-S																				038
3	39-LINO-DF																				039
4	40-LINO-S																				040
5	41-LINO-DF																				041
6	42-LINO-S																				042
7	43-LINO-DF																				043
8	44-LINO-S																				044
9	45-LINO-DF																				045
10	46-LINO-S																				046
11	47-LINO-DF																				047
12	48-LINO-S	V	V			V	V	V										V	V		048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		10/17/18	1130	Matt Pace	10/17/18	1035	16.7	A-	N	4
							16.0			
							14.7			

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 2 WK

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044-LINO
Project Name: ~~[illegible]~~
Project Number: 19044-LINO

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

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	DG Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	49-LINO-DF	DW	G			10/9/18	6		1										1		049
2	50-LINO-S	"	"			"	"		"										"		050
3	51-LINO-DF	"	"			"	"		"										"		051
4	52-LINO-WC	"	"			"	"		"										"		052
5	53-LINO-RF	"	"			"	"		"										"		053
6	54-LINO-S	"	"			"	"		"										"		054
7	55-LINO-S	"	"			"	"		"										"		055
8	56-LINO-S	"	"			"	"		"										"		056
9	57-LINO-F	"	"			"	"		"										"		057
10	58-LINO-S	"	"			"	"		"										"		058
11	59-LINO-S	"	"			"	"		"										"		059
12	60-LINO-S	"	"			"	"		"										"		060

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		10/17/18	1035	Matt Pace	10/17/18	1035	16.7	N	K	T
							16.0			
							14.7			

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CHAIN-OF-CUSTODY / Analytical Request Document

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 6 of 7

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044-LYNG
Project Name: ~~[illegible]~~
Project Number: 19044-~~[illegible]~~
Requested Due Date/TAT: 2 WK

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	Requested Analysis Filtered (Y/N): Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	61-LINO-WC	DW	G			10/17/18	6		1										Y		061
2	62-LINO-WC																				062
3	63-LINO-DF																				063
4	64-LINO-S																				064
5	65-LINO-S																				065
6	66-LINO-DF																				066
7	67-LINO-S																				067
8	68-LINO-DF																				068
9	69-LINO-S																				069
10	70-LINO-DF																				070
11	71-LINO-S																				071
12	72-LINO-DF																				072

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		10/17/18	1030	Pace	10/17/18	1035	16.7	N	N	Y
							16.0			
							14.7			

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 2 wk

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044-LINO
Project Name: ~~[illegible]~~
Project Number: 19044-~~LINO~~

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	Requested Analysis Filtered (Y/N): Analysis Test Y/N	Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	73-LINO-5	DW	G			10/17/18	6		1										1		0 73
2	74-LINO-5								1										1		0 74
3	75-LINO-DF								1										1		0 75
4	~~76-LINO-~~																				
5	~~77-LINO-~~																				
6	~~78-LINO-~~																				
7	~~79-LINO-~~																				
8	~~80-LINO-~~																				
9	~~81-LINO-~~																				
10	~~82-LINO-~~																				
11	~~83-LINO-~~																				
12	~~84-LINO-~~																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		10/17/18	0730	Pace	10/17/18	1035	16.7	N	N	Y
							16.0			
							14.7			

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 Env Cons

Project #: WO# : 10452341

PM: JDD Due Date: 10/24/18

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): 16.5, 15.8, 17.5 **Cooler Temp Corrected (°C):** 16.7, 16.0, 17.7 **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** CM 10/17/18

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 # 1-75
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes	☐ No	☒ N/A	Initial when completed: Lot # of added preservative:
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): N/A				

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: **Date:** 10/22/18

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
1-30	HNO3	>6	10/17/18	1908	1.0ml	11180340	1	CV
31-60	"	>6	"	1917	1.0ml	"	1	CV
61-75	"	>6	"	1923	1.0ml	"	1	CV

WO# : 4619424

4619424

Chain of Custody

☐ Samples were sent dire

State Of Origin: MN

Cert. Needed: ☒ Yes ☐ No

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Workorder: 10452341 Workorder Name: 19044 - LINO

Owner Received Date: 10/17/2018 Results Requested By: 10/24/2018

Report To	Subcontract To
Jared Dickinson Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700	Pace Analytical Grand Rapids 5560 Corporate Exchange Court Grand Rapids , MI 49512 USA Phone (616)975-4500

						Preserved Containers						Requested Analysis														
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HNO3	BP3N					Drinking Water Pb by 200.8														LAB USE ONLY
1	01-LINO-WC	PS	10/17/2018 06:00	10452341001	Drinking	1						X														
2	02-LINO-WC	PS	10/17/2018 06:00	10452341002	Drinking	1						X														
3	03-LINO-BF	PS	10/17/2018 06:00	10452341003	Drinking	1						X														
4	04-LINO-S	PS	10/17/2018 06:00	10452341004	Drinking	1						X														
5	05-LINO-DF	PS	10/17/2018 06:00	10452341005	Drinking	1						X														
6	06-LINO-S	PS	10/17/2018 06:00	10452341006	Drinking	1						X														
7	07-LINO-DF	PS	10/17/2018 06:00	10452341007	Drinking	1						X														
8	08-LINO-DF	PS	10/17/2018 06:00	10452341008	Drinking	1						X														
9	09-LINO-S	PS	10/17/2018 06:00	10452341009	Drinking	1						X														
10	10-LINO-S	PS	10/17/2018 06:00	10452341010	Drinking	1						X														
11	11-LINO-DF	PS	10/17/2018 06:00	10452341011	Drinking	1						X														
12	12-LINO-DF	PS	10/17/2018 06:00	10452341012	Drinking	1						X														
13	13-LINO-S	PS	10/17/2018 06:00	10452341013	Drinking	1						X														
14	14-LINO-S	PS	10/17/2018 06:00	10452341014	Drinking	1						X														
15	15-LINO-DF	PS	10/17/2018 06:00	10452341015	Drinking	1						X														
16	16-LINO-S	PS	10/17/2018 06:00	10452341016	Drinking	1						X														
17	17-LINO-S	PS	10/17/2018 06:00	10452341017	Drinking	1						X														
18	18-LINO-DF	PS	10/17/2018 06:00	10452341018	Drinking	1						X														
19	19-LINO-S	PS	10/17/2018 06:00	10452341019	Drinking	1						X														

Chain of Custody

☐ Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: MN
Cert. Needed: ☐ Yes ☐ No
Owner Received Date: 10/17/2018 Results Requested By: 10/24/2018

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Workorder: 10452341 Workorder Name: 19044 - LINO

Report To	Subcontract To
Jared Dickinson Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700	Pace Analytical Grand Rapids 5560 Corporate Exchange Court Grand Rapids , MI 49512 USA Phone (616)975-4500

						Preserved Containers						Requested Analysis												
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HNO3						Drinking Water Pb by 200.8												LAB USE ONLY
20	20-LINO-S	PS	10/17/2018 06:00	10452341020	Drinking	1						X												
21	21-LINO-DF	PS	10/17/2018 06:00	10452341021	Drinking	1						X												
22	22-LINO-DF	PS	10/17/2018 06:00	10452341022	Drinking	1						X												
23	23-LINO-S	PS	10/17/2018 06:00	10452341023	Drinking	1						X												
24	24-LINO-S	PS	10/17/2018 06:00	10452341024	Drinking	1						X												
25	25-LINO-DF	PS	10/17/2018 06:00	10452341025	Drinking	1						X												
26	26-LINO-DF	PS	10/17/2018 06:00	10452341026	Drinking	1						X												
27	27-LINO-S	PS	10/17/2018 06:00	10452341027	Drinking	1						X												
28	28-LINO-S	PS	10/17/2018 06:00	10452341028	Drinking	1						X												
29	29-LINO-WC	PS	10/17/2018 06:00	10452341029	Drinking	1						X												
30	30-LINO-WC	PS	10/17/2018 06:00	10452341030	Drinking	1						X												
31	31-LINO-BF	PS	10/17/2018 06:00	10452341031	Drinking	1						X												
32	32-LINO-DF	PS	10/17/2018 06:00	10452341032	Drinking	1						X												
33	33-LINO-WC	PS	10/17/2018 06:00	10452341033	Drinking	1						X												
34	34-LINO-S	PS	10/17/2018 06:00	10452341034	Drinking	1						X												
35	35-LINO-DF	PS	10/17/2018 06:00	10452341035	Drinking	1						X												
36	36-LINO-S	PS	10/17/2018 06:00	10452341036	Drinking	1						X												
37	37-LINO-DF	PS	10/17/2018 06:00	10452341037	Drinking	1						X												
38	38-LINO-S	PS	10/17/2018 06:00	10452341038	Drinking	1						X												
39	39-LINO-DF	PS	10/17/2018 06:00	10452341039	Drinking	1						X												

Chain of Custody

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☐ Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: MN
Cert. Needed: ☐ Yes ☐ No

Workorder: 10452341 Workorder Name: 19044 - LINO

Owner Received Date: 10/17/2018 Results Requested By: 10/24/2018

Report To	Subcontract To
Jared Dickinson Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700	Pace Analytical Grand Rapids 5560 Corporate Exchange Court Grand Rapids , MI 49512 USA Phone (616)975-4500

						Preserved Containers						Requested Analysis													
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HNO3						Drinking Water Pb by 200.8													LAB USE ONLY
40	40-LINO-S	PS	10/17/2018 06:00	10452341040	Drinking	1						X													
41	41-LINO-DF	PS	10/17/2018 06:00	10452341041	Drinking	1						X													
42	42-LINO-S	PS	10/17/2018 06:00	10452341042	Drinking	1						X													
43	43-LINO-DF	PS	10/17/2018 06:00	10452341043	Drinking	1						X													
44	44-LINO-S	PS	10/17/2018 06:00	10452341044	Drinking	1						X													
45	45-LINO-DF	PS	10/17/2018 06:00	10452341045	Drinking	1						X													
46	46-LINO-S	PS	10/17/2018 06:00	10452341046	Drinking	1						X													
47	47-LINO-DF	PS	10/17/2018 06:00	10452341047	Drinking	1						X													
48	48-LINO-S	PS	10/17/2018 06:00	10452341048	Drinking	1						X													
49	49-LINO-DF	PS	10/17/2018 06:00	10452341049	Drinking	1						X													
50	50-LINO-S	PS	10/17/2018 06:00	10452341050	Drinking	1						X													
51	51-LINO-DF	PS	10/17/2018 06:00	10452341051	Drinking	1						X													
52	52-LINO-WC	PS	10/17/2018 06:00	10452341052	Drinking	1						X													
53	53-LINO-BF	PS	10/17/2018 06:00	10452341053	Drinking	1						X													
54	54-LINO-S	PS	10/17/2018 06:00	10452341054	Drinking	1						X													
55	55-LINO-S	PS	10/17/2018 06:00	10452341055	Drinking	1						X													
56	56-LINO-S	PS	10/17/2018 06:00	10452341056	Drinking	1						X													
57	57-LINO-K	PS	10/17/2018 06:00	10452341057	Drinking	1						X													
58	58-LINO-S	PS	10/17/2018 06:00	10452341058	Drinking	1						X													
59	59-LINO-S	PS	10/17/2018 06:00	10452341059	Drinking	1						X													

Chain of Custody

☐ Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: MN
Cert. Needed: ☐ Yes ☐ No

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Workorder: 10452341 Workorder Name: 19044 - LINO
Owner Received Date: 10/17/2018 Results Requested By: 10/24/2018

Report To	Subcontract To
Jared Dickinson Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700	Pace Analytical Grand Rapids 5560 Corporate Exchange Court Grand Rapids , MI 49512 USA Phone (616)975-4500

						Preserved Containers						Requested Analysis													
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HNO3						Drinking Water Pb by 200.8													LAB USE ONLY
60	60-LINO-S	PS	10/17/2018 06:00	10452341060	Drinking	1						X													
61	61-LINO-WC	PS	10/17/2018 06:00	10452341061	Drinking	1						X													
62	62-LINO-WC	PS	10/17/2018 06:00	10452341062	Drinking	1						X													
63	63-LINO-DF	PS	10/17/2018 06:00	10452341063	Drinking	1						X													
64	64-LINO-S	PS	10/17/2018 06:00	10452341064	Drinking	1						X													
65	65-LINO-S	PS	10/17/2018 06:00	10452341065	Drinking	1						X													
66	66-LINO-DF	PS	10/17/2018 06:00	10452341066	Drinking	1						X													
67	67-LINO-S	PS	10/17/2018 06:00	10452341067	Drinking	1						X													
68	68-LINO-DF	PS	10/17/2018 06:00	10452341068	Drinking	1						X													
69	69-LINO-S	PS	10/17/2018 06:00	10452341069	Drinking	1						X													
70	70-LINO-DF	PS	10/17/2018 06:00	10452341070	Drinking	1						X													
71	71-LINO-S	PS	10/17/2018 06:00	10452341071	Drinking	1						X													
72	72-LINO-DF	PS	10/17/2018 06:00	10452341072	Drinking	1						X													
73	73-LINO-S	PS	10/17/2018 06:00	10452341073	Drinking	1						X													
74	74-LINO-S	PS	10/17/2018 06:00	10452341074	Drinking	1						X													

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	Kyle Vace	10/23/18 1400	A Watts / Pace GR	10/24/18 0950/FX	
2					
3					

Cooler Temperature on Receipt ______ °C	Custody Seal Y or N	Received on Ice Y or N	Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

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Sample Conditions Upon Receip

WO# : 4619424

PM: WDC Due Date: 10/29/18
CLIENT: PACE MINN

Date: 10/24/18	**Evaluated by:** aw	**Affi W**	
Client: Pace MN	10452341		
Profile ID:	**Project Manager:** Dickinson		
Sample Receiving Non Conformance Form Required: YES ~~NO~~		**Rush Turn Around Time Requested:** YES ~~NO~~ **Due Date:**	
Page 1 **Of** 1		**Lab Notified of Rush or Short Holds:** YES NO	

Lab Sample Receipt Checklist:

Samples Received Via:	~~FEDEX~~	UPS	CLIENT	PACE COURIER
Custody Seals Present and Intact:	~~YES~~	NO	~~NA~~	Only on cooler 2
USDA Regulated Soils:	YES	NO	~~NA~~	
Short Holds Present (< 72 Hours):	YES	~~NO~~	NA	
Samples Received in Hold:	YES	NO	~~NA~~	
Custody Signatures Present:	~~YES~~	NO	NA	
Collector Signature Present:	YES	NO	~~NA~~	
Samples Received On Ice: Type of Ice: ~~WET~~ BLUE DRY NONE	~~YES~~	NO	NA	
Packing Material Used:	~~YES~~	NO	NA	
IR Gun #: ~~202~~ 402 Temp should be 0-6°C	(1) Cooler Temp Upon Receipt: 2.7 °C			
Temp Blank Received:	YES	~~NO~~	NA	
Trip Blank Received: Type: HCL MeOH TSP OTHER	YES	NO	~~NA~~	
Bottles Intact:	~~YES~~	NO	NA	
Correct Bottles:	~~YES~~	NO	NA	
Sufficient Volume:	~~YES~~	NO	NA	
Sample pH Acceptable: All containers needing preservation are found to be in complaince with EPA recommendation Exceptions are VOA, coliform, TOC, O & G, HEM, DRO	~~YES~~	NO	NA	pH Strip Lot Number: HC739245 HC849161
VOA Headspace Acceptable (<6mm):	YES	NO	~~NA~~	

Comments:
Cooler temp 2: 4.9 °C

Extra container received - added to eCOC.

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INTER_LABORATORY WORK ORDER # 10452341
(To be completed by sending lab)

Ship To:
Pace Analytical Grand Rapids
5560 Corporate Exchange Court
Grand Rapids , MI 49512
USA
Phone (616)975-4500

Sending Project No:	10452341
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/23/18
REQUESTED COMPLETION DATE:	**10/24/2018**

Sending Region	IR10-Minnesota	Sending Project Mgr.	Jared Dickinson
Receiving Region	IR46-Grand Rapids	External Client	Field Environmental Consulting
State of Sample Origin	MN	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units: std Report Wet or Dry Weight? Dry Weight Cert. Needed: Y

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
Drinking Water Pb by 200.8	BP3N	74	HNO3	74	$9.00	$666.00
					TOTAL	$666.00

Special Requirements:

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
Wet Chemistry	21	$666.00	$532.80	$133.20
* Custom Revenue Allocation	**TOTAL**	$666.00	$532.80	$133.20

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Chain of Custody Included: [X] Yes [ ] No Return Samples to Sending Region: [ ] Yes [X] No

Matrix: [X] Drinking Water [ ] Soil [ ] Water [ ] Air [ ] Other (identify) _____

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

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 Env Cons

Project #: WO#: 10452341

PM: JDD Due Date: 10/24/18

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): 16.5, 15.8, 14.5 **Cooler Temp Corrected (°C):** 16.7, 16.0, 14.7 **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** DK 10/17/18

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 # 1-75
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes	☐No	☒N/A	Initial when completed: Lot # of added preservative:
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): N/A				

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 10/22/18

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
1-30	HNO_3	>6	10/17/18	1908	1.0 ml	1118040	1	EV
31-60	"	>6	"	1917	1.0 ml	"	1	EV
61-75	"	>6	"	1923	1.0 ml	"	1	EV

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

November 06, 2018

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

RE: Project: 19044-LINO
Pace Project No.: 10453815

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 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: General Mailbox, Field Environmental Consulting

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 19044-LINO
Pace Project No.: 10453815

Virginia Minnesota Certification ID's

315 Chestnut Street, Virginia, MN 55792
Montana Certificate #CERT0103
Alaska Certification UST-107
Minnesota Dept of Health Certification #: 027-137-445
North Dakota Certification: # R-203
Wisconsin DNR Certification # : 998027470
WA Department of Ecology Lab ID# C1007

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19044-LINO
Pace Project No.: 10453815

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10453815001	**61-LINO-Kitchen-K**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815002	**62-LINO-Hall-WC**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815003	**63-LINO-Hall-BF**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815004	**64-LINO-Hall-WC**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815005	**65-LINO-132-S**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815006	**66-LINO-130-S**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815007	**67-LINO-163-S**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815008	**68-LINO-163-DF**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815009	**69-LINO-165-S**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815010	**70-LINO-165-DF**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815011	**71-LINO-167-S**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815012	**72-LINO-167-DF**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815013	**73-LINO-169-S**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815014	**74-LINO-169-DF**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815015	**75-LINO-HALL-DF**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815016	**76-LINO-WORK-S**	Drinking Water	10/31/18 00:00	10/31/18 15:13
10453815017	**77-LINO-137-S**	Drinking Water	10/31/18 00:00	10/31/18 15:13

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 19044-LINO
Pace Project No.: 10453815

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10453815001	**61-LINO-Kitchen-K**	EPA 200.8	JJH	1	PASI-V
10453815002	**62-LINO-Hall-WC**	EPA 200.8	JJH	1	PASI-V
10453815003	**63-LINO-Hall-BF**	EPA 200.8	JJH	1	PASI-V
10453815004	**64-LINO-Hall-WC**	EPA 200.8	JJH	1	PASI-V
10453815005	**65-LINO-132-S**	EPA 200.8	JJH	1	PASI-V
10453815006	**66-LINO-130-S**	EPA 200.8	JJH	1	PASI-V
10453815007	**67-LINO-163-S**	EPA 200.8	JJH	1	PASI-V
10453815008	**68-LINO-163-DF**	EPA 200.8	JJH	1	PASI-V
10453815009	**69-LINO-165-S**	EPA 200.8	JJH	1	PASI-V
10453815010	**70-LINO-165-DF**	EPA 200.8	JJH	1	PASI-V
10453815011	**71-LINO-167-S**	EPA 200.8	JJH	1	PASI-V
10453815012	**72-LINO-167-DF**	EPA 200.8	JJH	1	PASI-V
10453815013	**73-LINO-169-S**	EPA 200.8	JJH	1	PASI-V
10453815014	**74-LINO-169-DF**	EPA 200.8	JJH	1	PASI-V
10453815015	**75-LINO-HALL-DF**	EPA 200.8	JJH	1	PASI-V
10453815016	**76-LINO-WORK-S**	EPA 200.8	JJH	1	PASI-V
10453815017	**77-LINO-137-S**	EPA 200.8	JJH	1	PASI-V

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 19044-LINO
Pace Project No.: 10453815

Sample: 61-LINO-Kitchen-K **Lab ID: 10453815001** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICP, DW	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**372**	ug/L	0.50	1	11/05/18 14:41	11/06/18 09:28	7439-92-1	

Sample: 62-LINO-Hall-WC **Lab ID: 10453815002** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	0.50	1		11/05/18 15:02	7439-92-1	

Sample: 63-LINO-Hall-BF **Lab ID: 10453815003** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	0.50	1		11/05/18 15:05	7439-92-1	

Sample: 64-LINO-Hall-WC **Lab ID: 10453815004** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	0.50	1		11/05/18 14:48	7439-92-1	

Sample: 65-LINO-132-S **Lab ID: 10453815005** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**1.8**	ug/L	0.50	1		11/05/18 15:10	7439-92-1	

Sample: 66-LINO-130-S **Lab ID: 10453815006** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	0.50	1		11/05/18 15:12	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 19044-LINO
Pace Project No.: 10453815

Sample: 67-LINO-163-S **Lab ID: 10453815007** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**3.9**	ug/L	0.50	1		11/05/18 14:55	7439-92-1	

Sample: 68-LINO-163-DF **Lab ID: 10453815008** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	0.50	1		11/05/18 15:22	7439-92-1	

Sample: 69-LINO-165-S **Lab ID: 10453815009** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**2.3**	ug/L	0.50	1		11/05/18 15:24	7439-92-1	

Sample: 70-LINO-165-DF **Lab ID: 10453815010** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**0.70**	ug/L	0.50	1		11/05/18 15:07	7439-92-1	

Sample: 71-LINO-167-S **Lab ID: 10453815011** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**0.87**	ug/L	0.50	1		11/05/18 15:19	7439-92-1	

Sample: 72-LINO-167-DF **Lab ID: 10453815012** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**1.1**	ug/L	0.50	1		11/05/18 15:36	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 19044-LINO
Pace Project No.: 10453815

Sample: 73-LINO-169-S **Lab ID: 10453815013** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**0.69**	ug/L	0.50	1		11/05/18 15:34	7439-92-1	

Sample: 74-LINO-169-DF **Lab ID: 10453815014** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	0.50	1		11/05/18 15:32	7439-92-1	

Sample: 75-LINO-HALL-DF **Lab ID: 10453815015** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**2.5**	ug/L	0.50	1		11/05/18 15:44	7439-92-1	

Sample: 76-LINO-WORK-S **Lab ID: 10453815016** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	0.50	1		11/05/18 15:39	7439-92-1	

Sample: 77-LINO-137-S **Lab ID: 10453815017** Collected: 10/31/18 00:00 Received: 10/31/18 15:13 Matrix: Drinking 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	**1.6**	ug/L	0.50	1		11/05/18 15:41	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: 19044-LINO
Pace Project No.: 10453815

QC Batch: 156065 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET, No Prep DW
Associated Lab Samples: 10453815002, 10453815003, 10453815004, 10453815005, 10453815006, 10453815007, 10453815008, 10453815009, 10453815010, 10453815011, 10453815012, 10453815013, 10453815014, 10453815015, 10453815016, 10453815017

METHOD BLANK: 617939 Matrix: Drinking Water
Associated Lab Samples: 10453815002, 10453815003, 10453815004, 10453815005, 10453815006, 10453815007, 10453815008, 10453815009, 10453815010, 10453815011, 10453815012, 10453815013, 10453815014, 10453815015, 10453815016, 10453815017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.50	11/05/18 14:33	

LABORATORY CONTROL SAMPLE: 617940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	250	248	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 617941 617942

Parameter	Units	10453663004 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	250	250	241	238	96	95	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 617943 617944

Parameter	Units	10453815006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	3.0	250	250	243	241	96	95	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

QUALITY CONTROL DATA

Project: 19044-LINO
Pace Project No.: 10453815

QC Batch: 156072
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET, Drinking Water
Associated Lab Samples: 10453815001

METHOD BLANK: 618132
Matrix: Drinking Water
Associated Lab Samples: 10453815001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.50	11/06/18 09:05	

LABORATORY CONTROL SAMPLE: 618133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	250	256	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 618134 618135

Parameter	Units	10453741043 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	26.1	250	250	278	281	101	102	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: 19044-LINO
Pace Project No.: 10453815

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 19044-LINO
Pace Project No.: 10453815

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10453815001	**61-LINO-Kitchen-K**	EPA 200.8	156072	EPA 200.8	156080
10453815002	**62-LINO-Hall-WC**	EPA 200.8	156065		
10453815003	**63-LINO-Hall-BF**	EPA 200.8	156065		
10453815004	**64-LINO-Hall-WC**	EPA 200.8	156065		
10453815005	**65-LINO-132-S**	EPA 200.8	156065		
10453815006	**66-LINO-130-S**	EPA 200.8	156065		
10453815007	**67-LINO-163-S**	EPA 200.8	156065		
10453815008	**68-LINO-163-DF**	EPA 200.8	156065		
10453815009	**69-LINO-165-S**	EPA 200.8	156065		
10453815010	**70-LINO-165-DF**	EPA 200.8	156065		
10453815011	**71-LINO-167-S**	EPA 200.8	156065		
10453815012	**72-LINO-167-DF**	EPA 200.8	156065		
10453815013	**73-LINO-169-S**	EPA 200.8	156065		
10453815014	**74-LINO-169-DF**	EPA 200.8	156065		
10453815015	**75-LINO-HALL-DF**	EPA 200.8	156065		
10453815016	**76-LINO-WORK-S**	EPA 200.8	156065		
10453815017	**77-LINO-137-S**	EPA 200.8	156065		

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

2297650

Section B — Required Project Information:
Report To: mailbox@fieldconsultinginc.com
Copy To:
Purchase Order No.:
Project Name:
Project Number: 19044-LINO

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

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)

WO#: 10453815

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: 200.8	Residue	Pace Project No./ Lab I.D.
1	61-LINO-Kitchen-K		G			10/31/18				X								X		001
2	62-LINO-Hall-WC																			002
3	63-LINO-Hall-DF																			003
4	64-LINO-Hall-WC																			004
5	65-LINO-132-S																			005
6	66-LINO-1308-S																			006
7	67-LINO-1603-S																			007
8	68-LINO-1603-DF																			008
9	69-LINO-1605-S																			009
10	70-LINO-1605-DF																			010
11	71-LINO-1607-S																			011
12	72-LINO-1607-DF																			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Nicole Field	10/31/18		Enf. Pace	10/31/18	1513	21.6	N	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nicole Field
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/31/18

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.

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

2297651

Section B
Required Project Information:
To: mailbox@fieldconsultinginc.com
o:
se Order No.:
Name:
Number: 19044-LIND

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

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	Y/N	Analysis Test: 200.8	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	13-LIND-169-S		G			10/31/18			1	X									X		013
2	14-LIND-169-DF								1	X									X		014
3	15-LIND-Hall-DF								1	X									X		015
4	16-LIND-Work-S								1	X									X		016
5	17-LIND-137-S								1	X									X		017
6																					
7																					
8																					
9																					
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)
	Nicole Field	10/31/18		Enf Pace	10/31/18	1514	2.6	N	N	Y

SAMPLER NAME AND SIGNATURE:
PRINT Name of SAMPLER: Nicole Field
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10/31/18

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 Env Consult **Project #:** **WO#: 10453815**

PM: JDD **Due Date: 11/14/18**

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): 21.9 **Cooler Temp Corrected (°C):** 21.6 **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Correction Factor:** -0.3 **Date and Initials of Person Examining Contents:** bar 10/31/18

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? -Pace Containers Used?	☒Yes ☐No ☒Yes ☐No	9.
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? 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) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☒Yes ☐No ☐N/A ☐Yes ☒No ☐N/A ☐Yes ☐No ☒N/A	13. ☒HNO_3 ☐H_2SO_4 ☐NaOH Positive for Res. Chlorine? Y N Sample # 1-17 Initial when completed: lav Lot # of added preservative: 18569
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): N/A		

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 11/2/18

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
1-17	HNO3	6	10/31/18	2009	1.0ml	1180570	1	BV

Chain of Custody

☐ Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: MN

Cert. Needed: ☐ Yes ☐ No

Workorder: 10453815 Workorder Name: 19044-LINO

Owner Received Date: 10/31/2018 Results Requested By: 11/14/2018

Report To	Subcontract To
Jared Dickinson Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700	Pace Analytical Virginia MN 315 Chestnut Street Virginia, MN 55792 Phone (218)742-1042

						Preserved Containers						Requested Analysis													
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	HNO3						Pb in drinking water by 200.8													LAB USE ONLY
1	61-LINO-Kitchen-K	PS	10/31/2018 00:00	10453815001	Drinking	1						X													
2	62-LINO-Hall-WC	PS	10/31/2018 00:00	10453815002	Drinking	1						X													
3	63-LINO-Hall-BF	PS	10/31/2018 00:00	10453815003	Drinking	1						X													
4	64-LINO-Hall-WC	PS	10/31/2018 00:00	10453815004	Drinking	1						X													
5	65-LINO-132-S	PS	10/31/2018 00:00	10453815005	Drinking	1						X													
6	66-LINO-130-S	PS	10/31/2018 00:00	10453815006	Drinking	1						X													
7	67-LINO-163-S	PS	10/31/2018 00:00	10453815007	Drinking	1						X													
8	68-LINO-163-DF	PS	10/31/2018 00:00	10453815008	Drinking	1						X													
9	69-LINO-165-S	PS	10/31/2018 00:00	10453815009	Drinking	1						X													
10	70-LINO-165-DF	PS	10/31/2018 00:00	10453815010	Drinking	1						X													
11	71-LINO-167-S	PS	10/31/2018 00:00	10453815011	Drinking	1						X													
12	72-LINO-167-DF	PS	10/31/2018 00:00	10453815012	Drinking	1						X													
13	73-LINO-169-S	PS	10/31/2018 00:00	10453815013	Drinking	1						X													
14	74-LINO-169-DF	PS	10/31/2018 00:00	10453815014	Drinking	1						X													
15	75-LINO-HALL-DF	PS	10/31/2018 00:00	10453815015	Drinking	1						X													
16	76-LINO-WORK-S	PS	10/31/2018 00:00	10453815016	Drinking	1						X													
17	77-LINO-137-S	PS	10/31/2018 00:00	10453815017	Drinking	1						X													

					Comments
Transfers	Released By	Date/Time	Received By	Date/Time	
1	Aaron Pace	11/2/18 1600	RCL 11/2/18	1915	
2	RCL 11/2/18	2315			
3					

Cooler Temperature on Receipt 18.8 °C	Custody Seal Y or N	Received on Ice Y or N	Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

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 Env/Consult

Project #:

WO#: 10453815

PM: JDD Due Date: 11/14/18

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): 21.9 Cooler Temp Corrected (°C): 21.6 Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C Correction Factor: -0.3 Date and Initials of Person Examining Contents: [initials] 10/31/18

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 Sample # 1-17
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	
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes	☐ No	☒ N/A	Initial when completed: [initials] Lot # of added preservative: [illegible]
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): N/A				

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: ______ Date/Time: ______

Comments/Resolution: ______

Project Manager Review: [signature] Date: 11/2/18

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
1-17	HNO3	6	10/31/18	2009	1.0ml	1180520	1	BV

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: Pace MN

Project #: WO#: 12118368

PM: MMW Due Date: 11/15/18

CLIENT: PACE MPLS

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ 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: 18.5 Cooler Temp Corrected °C: 18.8 Biological Tissue Frozen? ☐ Yes ☐ No ☒ NA

Temp should be above freezing to 6°C Correction Factor: 0.3 Date and Initials of Person Examining Contents: 11/2/18 DC

Comments: BM 11/5/18

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?	☑ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: WT				
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: 11-5-18

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

November 01, 2018

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

RE: Project: 19044-Linwood
Pace Project No.: 10452318

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 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: General Mailbox, Field Environmental Consulting

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 19044-Linwood
Pace Project No.: 10452318

Minnesota Certification IDs

1700 Elm Street SE, 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 DW Certification #: MN00064
Arkansas WW 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
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
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
Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19044-Linwood
Pace Project No.: 10452318

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452318001	01-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318002	02-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318003	03-LW-K	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318004	04-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318005	05-LW-K	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318006	06-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318007	07-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318008	08-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318009	09-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318010	10-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318011	11-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318012	12-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318013	13-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318014	14-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318015	15-LW-WC	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318016	16-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318017	17-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318018	18-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318019	19-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318020	20-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318021	21-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318022	22-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318023	23-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318024	24-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318025	25-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318026	26-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318027	27-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318028	28-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318029	29-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318030	30-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318031	31-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318032	32-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318033	33-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318034	34-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318035	35-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318036	36-LW-S	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318037	37-LW-DF	Drinking Water	10/17/18 06:00	10/17/18 10:35

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19044-Linwood
Pace Project No.: 10452318

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452318038	**38-LW-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318039	**39-LW-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318040	**40-LW-DF**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318041	**41-LW-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318042	**42-LW-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35
10452318043	**43-LW-S**	Drinking Water	10/17/18 06:00	10/17/18 10:35

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 19044-Linwood
Pace Project No.: 10452318

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10452318001	01-LW-S	EPA 200.8	PW1	1
10452318002	02-LW-S	EPA 200.8	PW1	1
10452318003	03-LW-K	EPA 200.8	PW1	1
10452318004	04-LW-S	EPA 200.8	PW1	1
10452318005	05-LW-K	EPA 200.8	WBS	1
10452318006	06-LW-S	EPA 200.8	PW1	1
10452318007	07-LW-S	EPA 200.8	PW1	1
10452318008	08-LW-S	EPA 200.8	WBS	1
10452318009	09-LW-S	EPA 200.8	WBS	1
10452318010	10-LW-DF	EPA 200.8	PW1	1
10452318011	11-LW-S	EPA 200.8	PW1	1
10452318012	12-LW-DF	EPA 200.8	PW1	1
10452318013	13-LW-S	EPA 200.8	PW1	1
10452318014	14-LW-DF	EPA 200.8	PW1	1
10452318015	15-LW-WC	EPA 200.8	PW1	1
10452318016	16-LW-S	EPA 200.8	PW1	1
10452318017	17-LW-DF	EPA 200.8	PW1	1
10452318018	18-LW-DF	EPA 200.8	PW1	1
10452318019	19-LW-S	EPA 200.8	WBS	1
10452318020	20-LW-S	EPA 200.8	WBS	1
10452318021	21-LW-DF	EPA 200.8	WBS	1
10452318022	22-LW-S	EPA 200.8	AJM	1
10452318023	23-LW-DF	EPA 200.8	AJM	1
10452318024	24-LW-S	EPA 200.8	WBS	1
10452318025	25-LW-DF	EPA 200.8	AJM	1
10452318026	26-LW-S	EPA 200.8	WBS	1
10452318027	27-LW-DF	EPA 200.8	AJM	1
10452318028	28-LW-S	EPA 200.8	WBS	1
10452318029	29-LW-DF	EPA 200.8	AJM	1
10452318030	30-LW-S	EPA 200.8	AJM	1
10452318031	31-LW-DF	EPA 200.8	AJM	1
10452318032	32-LW-S	EPA 200.8	WBS	1
10452318033	33-LW-DF	EPA 200.8	WBS	1
10452318034	34-LW-S	EPA 200.8	WBS	1
10452318035	35-LW-DF	EPA 200.8	AJM	1
10452318036	36-LW-S	EPA 200.8	AJM	1
10452318037	37-LW-DF	EPA 200.8	AJM	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 19044-Linwood
Pace Project No.: 10452318

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10452318038	**38-LW-S**	EPA 200.8	AJM	1
10452318039	**39-LW-S**	EPA 200.8	AJM	1
10452318040	**40-LW-DF**	EPA 200.8	AJM	1
10452318041	**41-LW-S**	EPA 200.8	WBS	1
10452318042	**42-LW-S**	EPA 200.8	PW1	1
10452318043	**43-LW-S**	EPA 200.8	WBS	1

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ANALYTICAL RESULTS

Project: 19044-Linwood
Pace Project No.: 10452318

Sample: 01-LW-S **Lab ID: 10452318001** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**45.8**	ug/L	0.10	1		10/24/18 13:28	7439-92-1	

Sample: 02-LW-S **Lab ID: 10452318002** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**5.9**	ug/L	0.10	1		10/24/18 13:34	7439-92-1	

Sample: 03-LW-K **Lab ID: 10452318003** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.4**	ug/L	0.10	1		10/24/18 13:36	7439-92-1	

Sample: 04-LW-S **Lab ID: 10452318004** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**12.0**	ug/L	0.10	1		10/24/18 13:38	7439-92-1	

Sample: 05-LW-K **Lab ID: 10452318005** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**20.8**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:11	7439-92-1	

Sample: 06-LW-S **Lab ID: 10452318006** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.5**	ug/L	0.10	1		10/24/18 13:40	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044-Linwood
Pace Project No.: 10452318

Sample: 07-LW-S **Lab ID: 10452318007** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**4.8**	ug/L	0.10	1		10/24/18 13:45	7439-92-1	

Sample: 08-LW-S **Lab ID: 10452318008** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**35.7**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:22	7439-92-1	

Sample: 09-LW-S **Lab ID: 10452318009** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**15.5**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:25	7439-92-1	

Sample: 10-LW-DF **Lab ID: 10452318010** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1		10/24/18 13:47	7439-92-1	

Sample: 11-LW-S **Lab ID: 10452318011** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**12.8**	ug/L	0.10	1		10/24/18 13:49	7439-92-1	

Sample: 12-LW-DF **Lab ID: 10452318012** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**15.2**	ug/L	0.10	1		10/24/18 13:51	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044-Linwood
Pace Project No.: 10452318

Sample: 13-LW-S **Lab ID: 10452318013** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.5**	ug/L	0.10	1		10/24/18 13:53	7439-92-1	

Sample: 14-LW-DF **Lab ID: 10452318014** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.84**	ug/L	0.10	1		10/24/18 14:04	7439-92-1	

Sample: 15-LW-WC **Lab ID: 10452318015** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.20**	ug/L	0.10	1		10/24/18 14:05	7439-92-1	

Sample: 16-LW-S **Lab ID: 10452318016** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.78**	ug/L	0.10	1		10/24/18 14:07	7439-92-1	

Sample: 17-LW-DF **Lab ID: 10452318017** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1		10/24/18 14:09	7439-92-1	

Sample: 18-LW-DF **Lab ID: 10452318018** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**4.1**	ug/L	0.10	1		10/24/18 14:11	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044-Linwood
Pace Project No.: 10452318

Sample: 19-LW-S **Lab ID: 10452318019** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**406**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:27	7439-92-1	

Sample: 20-LW-S **Lab ID: 10452318020** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:39	7439-92-1	

Sample: 21-LW-DF **Lab ID: 10452318021** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.51**	ug/L	0.10	1		10/25/18 12:18	7439-92-1	

Sample: 22-LW-S **Lab ID: 10452318022** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.2**	ug/L	0.10	1		10/24/18 19:46	7439-92-1	

Sample: 23-LW-DF **Lab ID: 10452318023** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**5.9**	ug/L	0.10	1		10/24/18 19:49	7439-92-1	

Sample: 24-LW-S **Lab ID: 10452318024** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**1.4**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:41	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044-Linwood
Pace Project No.: 10452318

Sample: 25-LW-DF **Lab ID: 10452318025** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.53**	ug/L	0.10	1		10/24/18 19:51	7439-92-1	

Sample: 26-LW-S **Lab ID: 10452318026** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**3.6**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:44	7439-92-1	

Sample: 27-LW-DF **Lab ID: 10452318027** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**4.6**	ug/L	0.10	1		10/24/18 19:53	7439-92-1	

Sample: 28-LW-S **Lab ID: 10452318028** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**5.6**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:47	7439-92-1	

Sample: 29-LW-DF **Lab ID: 10452318029** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.1**	ug/L	0.10	1		10/24/18 19:55	7439-92-1	

Sample: 30-LW-S **Lab ID: 10452318030** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**4.8**	ug/L	0.10	1		10/24/18 19:57	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044-Linwood
Pace Project No.: 10452318

Sample: 31-LW-DF **Lab ID: 10452318031** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**5.4**	ug/L	0.10	1		10/24/18 20:04	7439-92-1	

Sample: 32-LW-S **Lab ID: 10452318032** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**19.2**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:50	7439-92-1	

Sample: 33-LW-DF **Lab ID: 10452318033** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**1.8**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:52	7439-92-1	

Sample: 34-LW-S **Lab ID: 10452318034** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1	10/23/18 09:07	10/26/18 11:55	7439-92-1	

Sample: 35-LW-DF **Lab ID: 10452318035** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.30**	ug/L	0.10	1		10/24/18 20:06	7439-92-1	

Sample: 36-LW-S **Lab ID: 10452318036** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.5**	ug/L	0.10	1		10/24/18 20:09	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044-Linwood
Pace Project No.: 10452318

Sample: 37-LW-DF **Lab ID: 10452318037** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**18.5**	ug/L	0.10	1		10/24/18 20:13	7439-92-1	

Sample: 38-LW-S **Lab ID: 10452318038** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.94**	ug/L	0.10	1		10/24/18 20:15	7439-92-1	

Sample: 39-LW-S **Lab ID: 10452318039** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.2**	ug/L	0.10	1		10/24/18 20:18	7439-92-1	

Sample: 40-LW-DF **Lab ID: 10452318040** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.5**	ug/L	0.10	1		10/24/18 20:20	7439-92-1	

Sample: 41-LW-S **Lab ID: 10452318041** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**1.0**	ug/L	0.10	1	10/25/18 09:54	11/01/18 12:19	7439-92-1	

Sample: 42-LW-S **Lab ID: 10452318042** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.75**	ug/L	0.10	1		10/24/18 12:05	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044-Linwood
Pace Project No.: 10452318

Sample: 43-LW-S **Lab ID: 10452318043** Collected: 10/17/18 06:00 Received: 10/17/18 10:35 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**2.1**	ug/L	0.10	1	10/25/18 09:54	11/01/18 12:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 19044-Linwood
Pace Project No.: 10452318

QC Batch: 570303 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452318001, 10452318002, 10452318003, 10452318004, 10452318006, 10452318007, 10452318010, 10452318011, 10452318012, 10452318013, 10452318014, 10452318015, 10452318016, 10452318017, 10452318018

METHOD BLANK: 3094676 Matrix: Water
Associated Lab Samples: 10452318001, 10452318002, 10452318003, 10452318004, 10452318006, 10452318007, 10452318010, 10452318011, 10452318012, 10452318013, 10452318014, 10452318015, 10452318016, 10452318017, 10452318018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	10/24/18 13:24	

LABORATORY CONTROL SAMPLE: 3094677

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	90.2	90	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3099095 3099096

Parameter	Units	10452318001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	45.8	100	100	132	134	87	89	70-130	2	20	

MATRIX SPIKE SAMPLE: 3099097

Parameter	Units	10452318018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	4.1	100	102	98	70-130	

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

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QUALITY CONTROL DATA

Project: 19044-Linwood
Pace Project No.: 10452318

QC Batch: 570304 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452318021, 10452318022, 10452318023, 10452318025, 10452318027, 10452318029, 10452318030, 10452318031, 10452318035, 10452318036, 10452318037, 10452318038, 10452318039, 10452318040

METHOD BLANK: 3094679 Matrix: Water
Associated Lab Samples: 10452318021, 10452318022, 10452318023, 10452318025, 10452318027, 10452318029, 10452318030, 10452318031, 10452318035, 10452318036, 10452318037, 10452318038, 10452318039, 10452318040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	10/25/18 12:15	

LABORATORY CONTROL SAMPLE: 3094680

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	99.5	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3099413 3099414

Parameter	Units	10452318021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	0.51	100	100	101	99.8	100	99	70-130	1	20	

MATRIX SPIKE SAMPLE: 3099415

Parameter	Units	10452318036 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.5	100	91.1	90	70-130	

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

QUALITY CONTROL DATA

Project: 19044-Linwood
Pace Project No.: 10452318

QC Batch: 570355 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452318042

METHOD BLANK: 3094799 Matrix: Water
Associated Lab Samples: 10452318042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	10/23/18 20:31	

LABORATORY CONTROL SAMPLE: 3094800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	88.3	88	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3098304 3098305

Parameter	Units	10452318042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	0.75	100	100	84.4	83.0	84	82	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 19044-Linwood
Pace Project No.: 10452318

QC Batch: 570842 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 10452318005, 10452318008, 10452318009, 10452318019, 10452318020, 10452318024, 10452318026, 10452318028, 10452318032, 10452318033, 10452318034

METHOD BLANK: 3097337 Matrix: Water
Associated Lab Samples: 10452318005, 10452318008, 10452318009, 10452318019, 10452318020, 10452318024, 10452318026, 10452318028, 10452318032, 10452318033, 10452318034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	11/01/18 12:46	

LABORATORY CONTROL SAMPLE: 3097338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	96.1	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3097339 3097340

Parameter	Units	10452318005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	20.8	100	100	134	134	114	113	70-130	0	20	

MATRIX SPIKE SAMPLE: 3097341

Parameter	Units	10452318034 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.1	100	116	115	70-130	

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

QUALITY CONTROL DATA

Project: 19044-Linwood
Pace Project No.: 10452318

QC Batch: 571374 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 10452318041, 10452318043

METHOD BLANK: 3100063 Matrix: Water
Associated Lab Samples: 10452318041, 10452318043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	11/01/18 12:13	

LABORATORY CONTROL SAMPLE: 3100064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	113	113	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3100065 3100066

Parameter	Units	10452318043 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	2.1	100	100	114	112	112	110	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
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 19044-Linwood
Pace Project No.: 10452318

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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: 19044-Linwood
Pace Project No.: 10452318

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452318001	**01-LW-S**	EPA 200.8	570303		
10452318002	**02-LW-S**	EPA 200.8	570303		
10452318003	**03-LW-K**	EPA 200.8	570303		
10452318004	**04-LW-S**	EPA 200.8	570303		
10452318006	**06-LW-S**	EPA 200.8	570303		
10452318007	**07-LW-S**	EPA 200.8	570303		
10452318010	**10-LW-DF**	EPA 200.8	570303		
10452318011	**11-LW-S**	EPA 200.8	570303		
10452318012	**12-LW-DF**	EPA 200.8	570303		
10452318013	**13-LW-S**	EPA 200.8	570303		
10452318014	**14-LW-DF**	EPA 200.8	570303		
10452318015	**15-LW-WC**	EPA 200.8	570303		
10452318016	**16-LW-S**	EPA 200.8	570303		
10452318017	**17-LW-DF**	EPA 200.8	570303		
10452318018	**18-LW-DF**	EPA 200.8	570303		
10452318021	**21-LW-DF**	EPA 200.8	570304		
10452318022	**22-LW-S**	EPA 200.8	570304		
10452318023	**23-LW-DF**	EPA 200.8	570304		
10452318025	**25-LW-DF**	EPA 200.8	570304		
10452318027	**27-LW-DF**	EPA 200.8	570304		
10452318029	**29-LW-DF**	EPA 200.8	570304		
10452318030	**30-LW-S**	EPA 200.8	570304		
10452318031	**31-LW-DF**	EPA 200.8	570304		
10452318035	**35-LW-DF**	EPA 200.8	570304		
10452318036	**36-LW-S**	EPA 200.8	570304		
10452318037	**37-LW-DF**	EPA 200.8	570304		
10452318038	**38-LW-S**	EPA 200.8	570304		
10452318039	**39-LW-S**	EPA 200.8	570304		
10452318040	**40-LW-DF**	EPA 200.8	570304		
10452318042	**42-LW-S**	EPA 200.8	570355		
10452318005	**05-LW-K**	EPA 200.8	570842	EPA 200.8	571513
10452318008	**08-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318009	**09-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318019	**19-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318020	**20-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318024	**24-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318026	**26-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318028	**28-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318032	**32-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318033	**33-LW-DF**	EPA 200.8	570842	EPA 200.8	571513
10452318034	**34-LW-S**	EPA 200.8	570842	EPA 200.8	571513
10452318041	**41-LW-S**	EPA 200.8	571374	EPA 200.8	571512
10452318043	**43-LW-S**	EPA 200.8	571374	EPA 200.8	571512

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY / Analytical Request Document

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

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www.pacelabs.com

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 1 of 4

2280113

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044-LINWOOD
Project Name: ~~ISA 321 Pb SM DW~~
Project Number: 19044-~~000~~
Requested Due Date/TAT: 2 WK

Section C Invoice Information:

Attention: Jenny Field
Company Name: SAM E
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)

WO#: 10452318

10452318

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	Y/N	Analysis Test: Pb Lead	Resic	Pace Project No./ Lab I.D.
1	01-LW-S	DW	G			10/17/18	6		1												001
2	02-LW-S	"	"			"	"		"												002
3	03-LW-K	"	"			"	"		"												003
4	04-LW-S	"	"			"	"		"												004
5	05-LW-K	"	"			"	"		"												005
6	06-LW-S	"	"			"	"		"												006
7	07-LW-S	"	"			"	"		"												007
8	08-LW-S	"	"			"	"		"												008
9	09-LW-S	"	"			"	"		"												009
10	10-LW-DF	"	"			"	"		"												010
11	11-LW-S	"	"			"	"		"												011
12	12-LW-DF	"	"			"	"		"												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)
	JJ	10/17/18	0935	Pace	10/17/18	1035	16.3	N	N	Y
							16.2			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Johanson

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 10/17/18

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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 2 wk

Page: 2 of 4

2280112

Section B
Required Project Information:

Report To:	Amy Weinzierl
Copy To:	
Purchase Order No.:	19044-LINWOOD
Project Name:	~~150831~~ Pb ~~in~~ DW
Project Number:	19044 ~~...~~

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

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)	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	13-LW-S	DW	G			10/17/18	6		1										✓		013
2	14-LW-DF	↓	↓			↓	↓		↓										↓		014
3	15-LW-WC	↓	↓			↓	↓		↓										↓		015
4	16-LW-S	↓	↓			↓	↓		↓										↓		016
5	17-LW-DF	↓	↓			↓	↓		↓										↓		017
6	18-LW-DF	↓	↓			↓	↓		↓										↓		018
7	19-LW-S	↓	↓			↓	↓		↓										↓		019
8	20-LW-S	↓	↓			↓	↓		↓										↓		020
9	21-LW-DF	↓	↓			↓	↓		↓										↓		021
10	22-LW-S	↓	↓			↓	↓		↓										↓		022
11	23-LW-DF	↓	↓			↓	↓		↓										↓		023
12	24-LW-S	↓	↓			↓	↓		↓										↓		024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	10/17/18	835	[signature] Pace	10/17/18	1035	16.3	N	N	Y
							16.2			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Johnson

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/17/18

*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.

F-ALL-C-010-rev.00, 09Nov2017

CHAIN-OF-CUSTODY / Analytical Request Document

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 2 WR

Section B Required Project Information:

- Report To: Amy Weinzierl
- Copy To:
- Purchase Order No.: 19044-LINWood
- Project Name: ~~ISD 831 ...~~
- Project Number: 19044-~~...~~

Section C Invoice Information:

- Attention: Jenny Field
- Company Name: SAME
- Address:
- Pace Quote Reference:
- Pace Project Manager:
- Pace Profile #: 17781.1

Page: 3 of 4

2280111

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	SAMPLE TYPE (G=GRAB C=COMP)	Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	25-LW-DF	DW	G			10/17/18	6		1										✓		025
2	26-LW-S	↓	↓			↓	↓		↓										↓		026
3	27-LW-DF	↓	↓			↓	↓		↓										↓		027
4	28-LW-S	↓	↓			↓	↓		↓										↓		028
5	29-LW-DF	↓	↓			↓	↓		↓										↓		029
6	30-LW-S	↓	↓			↓	↓		↓										↓		030
7	31-LW-DF	↓	↓			↓	↓		↓										↓		031
8	32-LW-S	↓	↓			↓	↓		↓										↓		032
9	33-LW-DF	↓	↓			↓	↓		↓										↓		033
10	34-LW-S	↓	↓			↓	↓		↓										↓		034
11	35-LW DF	↓	↓			↓	↓		↓										↓		035
12	36-LW-S	↓	↓			↓	↓		↓										↓		036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	JJ	10/17/18	1035	[signature] Pace	10/17/18	1035	16.3	N	N	Y
							16.2			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Johanson

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/17/18

*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.

F-ALL-C-010-rev.00, 09Nov2017

CHAIN-OF-CUSTODY / Analytical Request Document

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 4 of 4

2280110

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044-LWWood
Project Name: ~~150 851 Redwood~~
Project Number: 19044-LW
Requested Due Date/TAT: 2 WK

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

Requested Analysis Filtered (Y/N)

WO#: 10452318

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	Residual	Pace Project No./ Lab I.D.
1	37-LW-DF	DW	G			10/17/18	6		1											037
2	38-LW-S																			038
3	39-LW-S																			039
4	40-LW-DF																			040
5	41-LW-S																			041
6	42-LW-S																			042
7	43-LW-S																			043
8	~~44-LW~~																			
9	~~45-LW~~																			
10	~~46-LW~~																			
11	~~47-LW~~																			
12	~~48-LW~~																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	JPJ	10/17/18	1035	Pace	10/17/18	1035	16.3	~	~	Y
							16.2			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Johanson
SIGNATURE of SAMPLER: JPJ
DATE Signed (MM/DD/YY): 10/17/18

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 Env Consult

Project #: WO#: 10452318

PM: JDD Due Date: 10/24/18

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): 16.1,16.0 **Cooler Temp Corrected (°C):** 16.3,16.2 **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** CV 10.17.18

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 # 1-43
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes	☐No	☑N/A	Initial when completed: Lot # of added preservative:
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): NA				

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 10/19/18

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
1-30	HNO3	>6	10/17/18	1939	1.0ml	1118040	1	KV
31-43	"	4	"	1944	"	"	1	KV

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

November 13, 2018

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

RE: Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on October 23, 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.

This report was revised on November 13, 2018 to remove sample 009.

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: General Mailbox, Field Environmental Consulting

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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CERTIFICATIONS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Minnesota Certification IDs

1700 Elm Street SE, 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 DW Certification #: MN00064
Arkansas WW 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
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
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
Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452798001	01-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798002	02-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798003	03-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798004	04-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798005	05-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798006	06-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798007	07-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798008	08-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798010	10-SC-K	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798011	11-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798012	12-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798013	13-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798014	14-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798015	15-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798016	16-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798017	17-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798018	18-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798019	19-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798020	20-SC-WC	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798021	21-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798022	22-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798023	23-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798024	24-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798025	25-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798026	26-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798027	27-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798028	28-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798029	29-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798030	30-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798031	31-SC-WC	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798032	32-SC-WC	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798033	33-SC-BF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798034	34-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798035	35-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798036	36-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798037	37-SC-S	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798038	38-SC-DF	Drinking Water	10/23/18 07:00	10/23/18 08:50

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452798039	**39-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798040	**40-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798041	**41-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798042	**42-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798043	**43-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798044	**44-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798045	**45-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798046	**46-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798047	**47-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798048	**48-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798049	**49-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798050	**50-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798051	**51-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798052	**52-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798053	**53-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798054	**54-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798055	**55-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798056	**56-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798057	**57-SC-WC**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798058	**58-SC-WC**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798059	**59-SC-BF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798060	**60-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798061	**61-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798062	**62-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798063	**63-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798064	**64-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798065	**65-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798066	**66-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798067	**67-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798068	**68-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798069	**69-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798070	**70-SC-S**	Drinking Water	10/23/18 07:00	10/23/18 08:50
10452798071	**71-SC-DF**	Drinking Water	10/23/18 07:00	10/23/18 08:50

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SAMPLE ANALYTE COUNT

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10452798001	01-SC-S	EPA 200.8	PW1	1
10452798002	02-SC-DF	EPA 200.8	PW1	1
10452798003	03-SC-S	EPA 200.8	PW1	1
10452798004	04-SC-DF	EPA 200.8	PW1	1
10452798005	05-SC-S	EPA 200.8	PW1	1
10452798006	06-SC-S	EPA 200.8	PW1	1
10452798007	07-SC-S	EPA 200.8	PW1	1
10452798008	08-SC-S	EPA 200.8	PW1	1
10452798010	10-SC-K	EPA 200.8	PW1	1
10452798011	11-SC-DF	EPA 200.8	PW1	1
10452798012	12-SC-S	EPA 200.8	PW1	1
10452798013	13-SC-DF	EPA 200.8	PW1	1
10452798014	14-SC-S	EPA 200.8	PW1	1
10452798015	15-SC-S	EPA 200.8	PW1	1
10452798016	16-SC-DF	EPA 200.8	PW1	1
10452798017	17-SC-S	EPA 200.8	PW1	1
10452798018	18-SC-DF	EPA 200.8	PW1	1
10452798019	19-SC-S	EPA 200.8	PW1	1
10452798020	20-SC-WC	EPA 200.8	PW1	1
10452798021	21-SC-DF	EPA 200.8	WBS	1
10452798022	22-SC-S	EPA 200.8	WBS	1
10452798023	23-SC-S	EPA 200.8	WBS	1
10452798024	24-SC-DF	EPA 200.8	WBS	1
10452798025	25-SC-DF	EPA 200.8	WBS	1
10452798026	26-SC-S	EPA 200.8	WBS	1
10452798027	27-SC-S	EPA 200.8	WBS	1
10452798028	28-SC-DF	EPA 200.8	WBS	1
10452798029	29-SC-S	EPA 200.8	WBS	1
10452798030	30-SC-DF	EPA 200.8	WBS	1
10452798031	31-SC-WC	EPA 200.8	WBS	1
10452798032	32-SC-WC	EPA 200.8	WBS	1
10452798033	33-SC-BF	EPA 200.8	WBS	1
10452798034	34-SC-S	EPA 200.8	WBS	1
10452798035	35-SC-DF	EPA 200.8	WBS	1
10452798036	36-SC-S	EPA 200.8	WBS	1
10452798037	37-SC-S	EPA 200.8	WBS	1
10452798038	38-SC-DF	EPA 200.8	WBS	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10452798039	39-SC-S	EPA 200.8	WBS	1
10452798040	40-SC-DF	EPA 200.8	WBS	1
10452798041	41-SC-S	EPA 200.8	WBS	1
10452798042	42-SC-S	EPA 200.8	WBS	1
10452798043	43-SC-S	EPA 200.8	WBS	1
10452798044	44-SC-DF	EPA 200.8	WBS	1
10452798045	45-SC-DF	EPA 200.8	WBS	1
10452798046	46-SC-S	EPA 200.8	WBS	1
10452798047	47-SC-DF	EPA 200.8	WBS	1
10452798048	48-SC-S	EPA 200.8	WBS	1
10452798049	49-SC-DF	EPA 200.8	WBS	1
10452798050	50-SC-S	EPA 200.8	WBS	1
10452798051	51-SC-DF	EPA 200.8	WBS	1
10452798052	52-SC-S	EPA 200.8	WBS	1
10452798053	53-SC-S	EPA 200.8	WBS	1
10452798054	54-SC-DF	EPA 200.8	WBS	1
10452798055	55-SC-DF	EPA 200.8	WBS	1
10452798056	56-SC-S	EPA 200.8	WBS	1
10452798057	57-SC-WC	EPA 200.8	WBS	1
10452798058	58-SC-WC	EPA 200.8	WBS	1
10452798059	59-SC-BF	EPA 200.8	WBS	1
10452798060	60-SC-DF	EPA 200.8	WBS	1
10452798061	61-SC-S	EPA 200.8	PW1	1
10452798062	62-SC-DF	EPA 200.8	PW1	1
10452798063	63-SC-S	EPA 200.8	PW1	1
10452798064	64-SC-DF	EPA 200.8	PW1	1
10452798065	65-SC-S	EPA 200.8	PW1	1
10452798066	66-SC-DF	EPA 200.8	PW1	1
10452798067	67-SC-S	EPA 200.8	PW1	1
10452798068	68-SC-DF	EPA 200.8	PW1	1
10452798069	69-SC-S	EPA 200.8	PW1	1
10452798070	70-SC-S	EPA 200.8	PW1	1
10452798071	71-SC-DF	EPA 200.8	PW1	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Sample: 01-SC-S **Lab ID: 10452798001** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**11.9**	ug/L	0.10	1		11/08/18 11:38	7439-92-1	

Sample: 02-SC-DF **Lab ID: 10452798002** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.3**	ug/L	0.10	1		11/08/18 11:46	7439-92-1	

Sample: 03-SC-S **Lab ID: 10452798003** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**8.0**	ug/L	0.10	1		11/08/18 11:49	7439-92-1	

Sample: 04-SC-DF **Lab ID: 10452798004** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**33.2**	ug/L	0.10	1		11/08/18 11:51	7439-92-1	

Sample: 05-SC-S **Lab ID: 10452798005** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**7.3**	ug/L	0.10	1		11/08/18 11:53	7439-92-1	

Sample: 06-SC-S **Lab ID: 10452798006** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**79.5**	ug/L	0.10	1		11/08/18 12:00	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Sample: 07-SC-S **Lab ID: 10452798007** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**78.1**	ug/L	0.10	1		11/08/18 12:02	7439-92-1	

Sample: 08-SC-S **Lab ID: 10452798008** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**16.4**	ug/L	0.10	1		11/08/18 12:04	7439-92-1	

Sample: 10-SC-K **Lab ID: 10452798010** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**24.2**	ug/L	0.10	1		11/08/18 12:09	7439-92-1	

Sample: 11-SC-DF **Lab ID: 10452798011** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**10.0**	ug/L	0.10	1		11/08/18 12:11	7439-92-1	

Sample: 12-SC-S **Lab ID: 10452798012** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.6**	ug/L	0.10	1		11/08/18 12:15	7439-92-1	

Sample: 13-SC-DF **Lab ID: 10452798013** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.83**	ug/L	0.10	1		11/08/18 12:17	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
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Sample: 14-SC-S **Lab ID: 10452798014** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.2**	ug/L	0.10	1		11/08/18 12:20	7439-92-1	

Sample: 15-SC-S **Lab ID: 10452798015** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1		11/08/18 12:26	7439-92-1	

Sample: 16-SC-DF **Lab ID: 10452798016** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.6**	ug/L	0.10	1		11/08/18 12:28	7439-92-1	

Sample: 17-SC-S **Lab ID: 10452798017** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.3**	ug/L	0.10	1		11/08/18 12:31	7439-92-1	

Sample: 18-SC-DF **Lab ID: 10452798018** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.70**	ug/L	0.10	1		11/08/18 12:33	7439-92-1	

Sample: 19-SC-S **Lab ID: 10452798019** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		11/08/18 12:35	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Sample: 20-SC-WC **Lab ID: 10452798020** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.33**	ug/L	0.10	1		11/08/18 12:37	7439-92-1	

Sample: 21-SC-DF **Lab ID: 10452798021** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.8**	ug/L	0.10	1		11/02/18 02:51	7439-92-1	

Sample: 22-SC-S **Lab ID: 10452798022** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		11/02/18 03:02	7439-92-1	

Sample: 23-SC-S **Lab ID: 10452798023** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.0**	ug/L	0.10	1		11/02/18 03:04	7439-92-1	

Sample: 24-SC-DF **Lab ID: 10452798024** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.4**	ug/L	0.10	1		11/02/18 03:07	7439-92-1	

Sample: 25-SC-DF **Lab ID: 10452798025** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.40**	ug/L	0.10	1		11/02/18 03:10	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Sample: 26-SC-S **Lab ID: 10452798026** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.93**	ug/L	0.10	1		11/02/18 03:13	7439-92-1	

Sample: 27-SC-S **Lab ID: 10452798027** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.0**	ug/L	0.10	1		11/02/18 03:15	7439-92-1	

Sample: 28-SC-DF **Lab ID: 10452798028** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.27**	ug/L	0.10	1		11/02/18 03:23	7439-92-1	

Sample: 29-SC-S **Lab ID: 10452798029** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.5**	ug/L	0.10	1		11/02/18 03:26	7439-92-1	

Sample: 30-SC-DF **Lab ID: 10452798030** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1		11/02/18 03:29	7439-92-1	

Sample: 31-SC-WC **Lab ID: 10452798031** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	ND	ug/L	0.10	1		11/02/18 03:32	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
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Sample: 32-SC-WC **Lab ID: 10452798032** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	ND	ug/L	0.10	1		11/02/18 03:34	7439-92-1	

Sample: 33-SC-BF **Lab ID: 10452798033** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	ND	ug/L	0.10	1		11/02/18 03:37	7439-92-1	

Sample: 34-SC-S **Lab ID: 10452798034** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.2**	ug/L	0.10	1		11/02/18 03:42	7439-92-1	

Sample: 35-SC-DF **Lab ID: 10452798035** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1		11/02/18 03:45	7439-92-1	

Sample: 36-SC-S **Lab ID: 10452798036** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	0.10	1		11/02/18 03:48	7439-92-1	

Sample: 37-SC-S **Lab ID: 10452798037** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.9**	ug/L	0.10	1		11/02/18 04:09	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
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Sample: 38-SC-DF **Lab ID: 10452798038** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.2**	ug/L	0.10	1		11/02/18 04:12	7439-92-1	

Sample: 39-SC-S **Lab ID: 10452798039** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.5**	ug/L	0.10	1		11/02/18 04:15	7439-92-1	

Sample: 40-SC-DF **Lab ID: 10452798040** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.40**	ug/L	0.10	1		11/02/18 04:17	7439-92-1	

Sample: 41-SC-S **Lab ID: 10452798041** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.8**	ug/L	0.10	1		11/02/18 03:59	7439-92-1	

Sample: 42-SC-S **Lab ID: 10452798042** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.8**	ug/L	0.10	1		11/02/18 04:28	7439-92-1	

Sample: 43-SC-S **Lab ID: 10452798043** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.9**	ug/L	0.10	1		11/02/18 04:31	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
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Sample: 44-SC-DF **Lab ID: 10452798044** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.66**	ug/L	0.10	1		11/02/18 04:33	7439-92-1	

Sample: 45-SC-DF **Lab ID: 10452798045** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.46**	ug/L	0.10	1		11/02/18 04:36	7439-92-1	

Sample: 46-SC-S **Lab ID: 10452798046** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.5**	ug/L	0.10	1		11/02/18 04:39	7439-92-1	

Sample: 47-SC-DF **Lab ID: 10452798047** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		11/02/18 04:41	7439-92-1	

Sample: 48-SC-S **Lab ID: 10452798048** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.6**	ug/L	0.10	1		11/02/18 04:44	7439-92-1	

Sample: 49-SC-DF **Lab ID: 10452798049** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.48**	ug/L	0.10	1		11/02/18 04:47	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Sample: 50-SC-S **Lab ID: 10452798050** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1		11/02/18 04:50	7439-92-1	

Sample: 51-SC-DF **Lab ID: 10452798051** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.37**	ug/L	0.10	1		11/02/18 04:52	7439-92-1	

Sample: 52-SC-S **Lab ID: 10452798052** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.65**	ug/L	0.10	1		11/02/18 05:01	7439-92-1	

Sample: 53-SC-S **Lab ID: 10452798053** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking 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		11/02/18 05:03	7439-92-1	

Sample: 54-SC-DF **Lab ID: 10452798054** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.80**	ug/L	0.10	1		11/02/18 05:08	7439-92-1	

Sample: 55-SC-DF **Lab ID: 10452798055** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.5**	ug/L	0.10	1		11/02/18 05:11	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Sample: 56-SC-S **Lab ID: 10452798056** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.99**	ug/L	0.10	1		11/02/18 05:14	7439-92-1	

Sample: 57-SC-WC **Lab ID: 10452798057** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	ND	ug/L	0.10	1		11/02/18 05:16	7439-92-1	

Sample: 58-SC-WC **Lab ID: 10452798058** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	ND	ug/L	0.10	1		11/02/18 05:19	7439-92-1	

Sample: 59-SC-BF **Lab ID: 10452798059** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	ND	ug/L	0.10	1		11/02/18 05:22	7439-92-1	

Sample: 60-SC-DF **Lab ID: 10452798060** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.65**	ug/L	0.10	1		11/02/18 05:25	7439-92-1	

Sample: 61-SC-S **Lab ID: 10452798061** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.81**	ug/L	0.10	1		11/08/18 14:32	7439-92-1	

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ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Sample: 62-SC-DF **Lab ID: 10452798062** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.47**	ug/L	0.10	1		11/08/18 14:41	7439-92-1	

Sample: 63-SC-S **Lab ID: 10452798063** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1		11/08/18 14:43	7439-92-1	

Sample: 64-SC-DF **Lab ID: 10452798064** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.52**	ug/L	0.10	1		11/08/18 14:46	7439-92-1	

Sample: 65-SC-S **Lab ID: 10452798065** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.6**	ug/L	0.10	1		11/08/18 14:52	7439-92-1	

Sample: 66-SC-DF **Lab ID: 10452798066** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.51**	ug/L	0.10	1		11/08/18 14:55	7439-92-1	

Sample: 67-SC-S **Lab ID: 10452798067** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.91**	ug/L	0.10	1		11/08/18 14:57	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Sample: 68-SC-DF **Lab ID: 10452798068** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.46**	ug/L	0.10	1		11/08/18 14:59	7439-92-1	

Sample: 69-SC-S **Lab ID: 10452798069** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		11/08/18 15:01	7439-92-1	

Sample: 70-SC-S **Lab ID: 10452798070** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.7**	ug/L	0.10	1		11/08/18 15:04	7439-92-1	

Sample: 71-SC-DF **Lab ID: 10452798071** Collected: 10/23/18 07:00 Received: 10/23/18 08:50 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.76**	ug/L	0.10	1		11/08/18 15:06	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: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

QC Batch: 572014 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452798001, 10452798002, 10452798003, 10452798004, 10452798005, 10452798006, 10452798007, 10452798008, 10452798010, 10452798011, 10452798012, 10452798013, 10452798014, 10452798015, 10452798016, 10452798017, 10452798018, 10452798019, 10452798020

METHOD BLANK: 3103816 Matrix: Water
Associated Lab Samples: 10452798001, 10452798002, 10452798003, 10452798004, 10452798005, 10452798006, 10452798007, 10452798008, 10452798010, 10452798011, 10452798012, 10452798013, 10452798014, 10452798015, 10452798016, 10452798017, 10452798018, 10452798019, 10452798020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	11/08/18 11:33	

LABORATORY CONTROL SAMPLE: 3103817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	96.9	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3109389 3109390

Parameter	Units	10452798001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	11.9	100	100	108	107	96	95	70-130	1	20	

MATRIX SPIKE SAMPLE: 3109391

Parameter	Units	10452798011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	10.0	100	104	94	70-130	

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

QUALITY CONTROL DATA

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

QC Batch: 572015 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452798021, 10452798022, 10452798023, 10452798024, 10452798025, 10452798026, 10452798027, 10452798028, 10452798029, 10452798030, 10452798031, 10452798032, 10452798033, 10452798034, 10452798035, 10452798036, 10452798037, 10452798038, 10452798039, 10452798040

METHOD BLANK: 3103819 Matrix: Water
Associated Lab Samples: 10452798021, 10452798022, 10452798023, 10452798024, 10452798025, 10452798026, 10452798027, 10452798028, 10452798029, 10452798030, 10452798031, 10452798032, 10452798033, 10452798034, 10452798035, 10452798036, 10452798037, 10452798038, 10452798039, 10452798040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	11/02/18 02:19	

LABORATORY CONTROL SAMPLE: 3103820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	103	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3109405 3109406

Parameter	Units	10452798021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	3.8	100	100	104	111	100	107	70-130	7	20	

MATRIX SPIKE SAMPLE: 3109407

Parameter	Units	10452798033 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	100	106	106	70-130	

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

QUALITY CONTROL DATA

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

QC Batch: 572016 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452798041, 10452798042, 10452798043, 10452798044, 10452798045, 10452798046, 10452798047, 10452798048, 10452798049, 10452798050, 10452798051, 10452798052, 10452798053, 10452798054, 10452798055, 10452798056, 10452798057, 10452798058, 10452798059, 10452798060

METHOD BLANK: 3103822 Matrix: Water
Associated Lab Samples: 10452798041, 10452798042, 10452798043, 10452798044, 10452798045, 10452798046, 10452798047, 10452798048, 10452798049, 10452798050, 10452798051, 10452798052, 10452798053, 10452798054, 10452798055, 10452798056, 10452798057, 10452798058, 10452798059, 10452798060

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	11/02/18 03:56	

LABORATORY CONTROL SAMPLE: 3103823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	106	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3109419 3109420

Parameter	Units	10452798041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	2.8	100	100	104	106	101	103	70-130	2	20	

MATRIX SPIKE SAMPLE: 3109421

Parameter	Units	10452798053 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.3	100	99.2	98	70-130	

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

QUALITY CONTROL DATA

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

QC Batch: 572017 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452798061, 10452798062, 10452798063, 10452798064, 10452798065, 10452798066, 10452798067, 10452798068, 10452798069, 10452798070, 10452798071

METHOD BLANK: 3103825 Matrix: Water
Associated Lab Samples: 10452798061, 10452798062, 10452798063, 10452798064, 10452798065, 10452798066, 10452798067, 10452798068, 10452798069, 10452798070, 10452798071

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	11/08/18 14:28	

LABORATORY CONTROL SAMPLE: 3103826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	98.0	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3117636 3117637

Parameter	Units	10452798061 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	0.81	100	100	99.9	96.8	99	96	70-130	3	20	

MATRIX SPIKE SAMPLE: 3117638

Parameter	Units	10452798071 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	0.76	100	99.4	99	70-130	

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: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452798001	01-SC-S	EPA 200.8	572014		
10452798002	02-SC-DF	EPA 200.8	572014		
10452798003	03-SC-S	EPA 200.8	572014		
10452798004	04-SC-DF	EPA 200.8	572014		
10452798005	05-SC-S	EPA 200.8	572014		
10452798006	06-SC-S	EPA 200.8	572014		
10452798007	07-SC-S	EPA 200.8	572014		
10452798008	08-SC-S	EPA 200.8	572014		
10452798010	10-SC-K	EPA 200.8	572014		
10452798011	11-SC-DF	EPA 200.8	572014		
10452798012	12-SC-S	EPA 200.8	572014		
10452798013	13-SC-DF	EPA 200.8	572014		
10452798014	14-SC-S	EPA 200.8	572014		
10452798015	15-SC-S	EPA 200.8	572014		
10452798016	16-SC-DF	EPA 200.8	572014		
10452798017	17-SC-S	EPA 200.8	572014		
10452798018	18-SC-DF	EPA 200.8	572014		
10452798019	19-SC-S	EPA 200.8	572014		
10452798020	20-SC-WC	EPA 200.8	572014		
10452798021	21-SC-DF	EPA 200.8	572015		
10452798022	22-SC-S	EPA 200.8	572015		
10452798023	23-SC-S	EPA 200.8	572015		
10452798024	24-SC-DF	EPA 200.8	572015		
10452798025	25-SC-DF	EPA 200.8	572015		
10452798026	26-SC-S	EPA 200.8	572015		
10452798027	27-SC-S	EPA 200.8	572015		
10452798028	28-SC-DF	EPA 200.8	572015		
10452798029	29-SC-S	EPA 200.8	572015		
10452798030	30-SC-DF	EPA 200.8	572015		
10452798031	31-SC-WC	EPA 200.8	572015		
10452798032	32-SC-WC	EPA 200.8	572015		
10452798033	33-SC-BF	EPA 200.8	572015		
10452798034	34-SC-S	EPA 200.8	572015		
10452798035	35-SC-DF	EPA 200.8	572015		
10452798036	36-SC-S	EPA 200.8	572015		
10452798037	37-SC-S	EPA 200.8	572015		
10452798038	38-SC-DF	EPA 200.8	572015		
10452798039	39-SC-S	EPA 200.8	572015		
10452798040	40-SC-DF	EPA 200.8	572015		
10452798041	41-SC-S	EPA 200.8	572016		
10452798042	42-SC-S	EPA 200.8	572016		
10452798043	43-SC-S	EPA 200.8	572016		
10452798044	44-SC-DF	EPA 200.8	572016		
10452798045	45-SC-DF	EPA 200.8	572016		
10452798046	46-SC-S	EPA 200.8	572016		
10452798047	47-SC-DF	EPA 200.8	572016		
10452798048	48-SC-S	EPA 200.8	572016		
10452798049	49-SC-DF	EPA 200.8	572016		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 19044-5C Scandia Elementary-Revised Report
Pace Project No.: 10452798

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452798050	**50-SC-S**	EPA 200.8	572016		
10452798051	**51-SC-DF**	EPA 200.8	572016		
10452798052	**52-SC-S**	EPA 200.8	572016		
10452798053	**53-SC-S**	EPA 200.8	572016		
10452798054	**54-SC-DF**	EPA 200.8	572016		
10452798055	**55-SC-DF**	EPA 200.8	572016		
10452798056	**56-SC-S**	EPA 200.8	572016		
10452798057	**57-SC-WC**	EPA 200.8	572016		
10452798058	**58-SC-WC**	EPA 200.8	572016		
10452798059	**59-SC-BF**	EPA 200.8	572016		
10452798060	**60-SC-DF**	EPA 200.8	572016		
10452798061	**61-SC-S**	EPA 200.8	572017		
10452798062	**62-SC-DF**	EPA 200.8	572017		
10452798063	**63-SC-S**	EPA 200.8	572017		
10452798064	**64-SC-DF**	EPA 200.8	572017		
10452798065	**65-SC-S**	EPA 200.8	572017		
10452798066	**66-SC-DF**	EPA 200.8	572017		
10452798067	**67-SC-S**	EPA 200.8	572017		
10452798068	**68-SC-DF**	EPA 200.8	572017		
10452798069	**69-SC-S**	EPA 200.8	572017		
10452798070	**70-SC-S**	EPA 200.8	572017		
10452798071	**71-SC-DF**	EPA 200.8	572017		

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 2 wk

Section B
Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: Scandia Elementary
Project Name: ~~ISD 831 PS HL RW~~
Project Number: 19044-SC

Section C
Invoice Information:

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

Page: 1 of 6

2279793

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)	Analysis Test: Pb Lead	Residl	Pace Project No./ Lab I.D.
1	01-SC-S	DW	G			10-23-18	7AM		1												001
2	02-SC-DF																				002
3	03-SC-S																				003
4	04-SC-DF																				004
5	05-SC-S																				005
6	06-SC-S																				006
7	07-SC-S																				007
8	08-SC-S																				008
9	09-SC-S																				009
10	10-SC-K																				010
11	11-SC-DF																				011
12	12-SC-S	V	V			V	V		V											V	012

WO#: 10452798

10452798

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	(4) SAMPLE CONDITIONS			
		10-23-18	850		10-23-18	850	16.4	N	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Parker Wordeen
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10-23-18

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.

F-ALL-C-010-rev.00, 09Nov2017

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical®
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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 2 of 6

2275975

Section B — Required Project Information:
Report To: Amy Weinzierl
Copy To:
Purchase Order No.: Scandia Elementary
Project Name: ~~ISD 831 Pb in DW~~
Project Number: 19044-SC
Requested Due Date/TAT: 2 wk

Section C — Invoice Information:
Attention: Jenny Fifield
Company Name: SAMC
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

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	Y/N	Analysis Test: Pb Cold	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	13-SC-DF	DW	G			10-23-18	7AM		1												013
2	14-SC-S	"	1			"	"		1												014
3	15-SC-S	"	1			"	"		1												015
4	16-SC-DF	"	"			"	"		1												016
5	17-SC-S	"	"			"	"		1												017
6	18-SC-DF	"	"			"	"		1												018
7	19-SC-S	"	"			"	"		1												019
8	20-SC-WL	"	"			"	"		1												020
9	21-SC-DF	"	"			"	"		1												021
10	22-SC-S	"	"			"	"		1												022
11	23-SC-S	"	"			"	"		1												023
12	24-SC-DF	"	"			"	"		1												024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	(4) SAMPLE CONDITIONS			
		10-23-18	850		10-23-18	850	16.4	N	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Parker Nordeen
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10-23-18

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.

CHAIN-OF-CUSTODY / Analytical Request Document

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

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 2 wk

Section B Required Project Information:
Report To: Amy Weinzierl
Copy To:
Purchase Order No.: Scarlet Elementary
Project Name: ~~ISD 831 Pb in DW~~
Project Number: 1944-SC

Section C Invoice Information:
Attention: Jenny Fleck
Company Name: SAME
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781, #1

Page: 3 of 6
2279790

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 (Y/N): Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	25-SC-DF	DW	G			10-23-18	9AM		1											025
2	26-SC-S																			026
3	27-SC-S																			027
4	28-SC-DF																			028
5	29-SC-S																			029
6	30-SC-DF																			030
7	31-SC-WC																			031
8	32-SC-WC																			032
9	33-SC-BF																			033
10	34-SC-S																			034
11	35-SC-DF																			035
12	36-SC-S																			036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	(L)	SAMPLE CONDITIONS		
		10-23-18	850	PACE	10-23-18	850	16.4	N	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Parker Mortleen
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10-23-18

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.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical® www.pacelabs.com

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 7 DWR

Page: 4 of 6

2275942

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: Scandia Elementary
Project Name: ~~ISA 93~~ PO IN PW
Project Number: 19044-SC

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	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 Was A	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	37-SC-S	DW	G			10-23-18	7AM		1												039
2	38-SC-DF																				038
3	39-SC-S																				039
4	40-SC-DF																				040
5	41-SC-S																				041
6	42-SC-S																				042
7	43-SC-S																				043
8	44-SC-DF																				044
9	45-SC-DF																				045
10	46-SC-S																				046
11	47-SC-DF																				047
12	48-SC-S																				048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	(4)	SAMPLE CONDITIONS		
		10-23-18	850	PACE	10-23-18	850	16.4	N	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Parker Wordeen
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10-23-18

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

ORIGINAL

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Pace Analytical®
www.pacelabs.com

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 5 of 6

2275941

Section B — Required Project Information:
Report To: Amy Weinzierl
Copy To:
Purchase Order No.: Scandia Elementary
Project Name: ~~ISD 83 Pb in DW~~
Project Number: 19044-SC
Requested Due Date/TAT: 2WD

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

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	Analysis Test: Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	49-SC - DF	DW	G			~~10-23-18~~	7Am		1												049
2	50-SC - S																				050
3	51-SC - DF																				051
4	52-SC - S																				052
5	53-SC - S																				053
6	54-SC - DF																				054
7	55-SC - DF																				055
8	56-SC - S																				056
9	57-SC - WC																				057
10	58-SC - WC																				058
11	59-SC - BF																				059
12	60-SC - DF	V	V			V	V		V										V		060

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	(4)	SAMPLE CONDITIONS		
		10-23-18	850		10-23-18	850	16.4	N	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Parker Vordeen
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10-23-18

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®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 6 of 6

2275968

Section B — Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.:
Project Name: ISD 197 Lead in DW
Project Number: 19044-[redacted] SC
Requested Due Date/TAT: 2 wk

Section C — Invoice Information:

Attention: Jenny Fiel
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

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	Analysis Test: Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	61-[redacted]-SC-S	DW	G			10-23-18	7AM		1												061
2	62-[redacted]-SC-DF					10/23/18															062
3	63-[redacted]-SC-S																				063
4	64-[redacted]-SC-DF																				064
5	65-[redacted]-SC-S																				065
6	66-[redacted]-SC-DF																				066
7	67-[redacted]-SC-S																				067
8	68-[redacted]-SC-DF																				068
9	69-[redacted]-SC-S																				069
10	70-[redacted]-SC-S																				070
11	71-[redacted]-SC-DF																				071
12	72-[redacted]-SC	✓	✓			✓	✓		✓										✓		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	#	SAMPLE CONDITIONS		
		10-23-18	850		10-23-18	858	16.4	N	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jeff Johnson
SIGNATURE of SAMPLER: Parker Works
DATE Signed (MM/DD/YY): 10-23-18

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

ORIGINAL

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F-ALL-C-010-rev.00, 09Nov2017

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 Consulting

Project #: **WO# : 10452798**

PM: JDD **Due Date: 10/30/18**

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): 16.2 **Cooler Temp Corrected (°C):** 16.4 **Biological Tissue Frozen?** ☐Yes ☐No ☑N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** JJ 10/23/18

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 # 1-7 1 1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes	☐No	☑N/A	Initial when completed: HK, JJ Lot # of added preservative: 1118040
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): NA				

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 10/25/18

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/#
Sample accidentally tipped. There's about 125mL remaining.	31-SC-WC	BP3N

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
Sample 49-71	HNO_3	+6.0	10/23/18	9:30	1mL	1118040	2.0	AK
Sample 1-30	HNO_3	+6.0	10/23/18	16:21	"	"	2.0	JJ
Sample 31-48	HNO_3	+6.0	10/23/18	16:26	"	"	2.0	JJ

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

November 01, 2018

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

RE: Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Dear Amy Weinzierl:
Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 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: General Mailbox, Field Environmental Consulting

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Minnesota Certification IDs

1700 Elm Street SE, 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 DW Certification #: MN00064
Arkansas WW 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
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
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
Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452339001	01-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339002	02-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339003	03-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339004	04-WY-K	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339005	05-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339006	06-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339007	07-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339008	08-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339009	09-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339010	10-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339011	11-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339012	12-WY-DF	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339013	13-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339014	14-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339015	15-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339016	16-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339017	17-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339018	18-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339019	19-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339020	20-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339021	21-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339022	22-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339023	23-WY-DF	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339024	24-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339025	25-WY-DF	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339026	26-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339027	27-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339028	28-WY-DF	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339029	29-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339030	30-WY-DF	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339031	31-WY-DF	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339032	32-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339033	33-WY-DF	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339034	34-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339035	35-WY-DF	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339036	36-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339037	37-WY-S	Drinking Water	10/17/18 07:00	10/17/18 10:20

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452339038	**38-WY-DF**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339039	**39-WY-DF**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339040	**40-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339041	**41-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339042	**42-WY-DF**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339043	**43-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339044	**44-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339045	**45-WY-WC**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339046	**46-WY-DF**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339047	**47-WY-DF**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339048	**48-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339049	**49-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339050	**50-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339051	**51-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339052	**52-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339053	**53-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339054	**54-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339055	**55-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339056	**56-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339057	**57-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339058	**58-WY-DF**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339059	**59-WY-DF**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339060	**60-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339061	**61-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339062	**62-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339063	**63-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339064	**64-WY-S**	Drinking Water	10/17/18 07:00	10/17/18 10:20
10452339065	**65-WY-DF**	Drinking Water	10/17/18 07:00	10/17/18 10:20

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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SAMPLE ANALYTE COUNT

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10452339001	01-WY-S	EPA 200.8	AJM	1
10452339002	02-WY-S	EPA 200.8	AJM	1
10452339003	03-WY-S	EPA 200.8	AJM	1
10452339004	04-WY-K	EPA 200.8	AJM	1
10452339005	05-WY-S	EPA 200.8	AJM	1
10452339006	06-WY-S	EPA 200.8	AJM	1
10452339007	07-WY-S	EPA 200.8	AJM	1
10452339008	08-WY-S	EPA 200.8	AJM	1
10452339009	09-WY-S	EPA 200.8	AJM	1
10452339010	10-WY-S	EPA 200.8	AJM	1
10452339011	11-WY-S	EPA 200.8	AJM	1
10452339012	12-WY-DF	EPA 200.8	AJM	1
10452339013	13-WY-S	EPA 200.8	AJM	1
10452339014	14-WY-S	EPA 200.8	AJM	1
10452339015	15-WY-S	EPA 200.8	AJM	1
10452339016	16-WY-S	EPA 200.8	AJM	1
10452339017	17-WY-S	EPA 200.8	AJM	1
10452339018	18-WY-S	EPA 200.8	AJM	1
10452339019	19-WY-S	EPA 200.8	AJM	1
10452339020	20-WY-S	EPA 200.8	WBS	1
10452339021	21-WY-S	EPA 200.8	AJM	1
10452339022	22-WY-S	EPA 200.8	AJM	1
10452339023	23-WY-DF	EPA 200.8	AJM	1
10452339024	24-WY-S	EPA 200.8	AJM	1
10452339025	25-WY-DF	EPA 200.8	AJM	1
10452339026	26-WY-S	EPA 200.8	AJM	1
10452339027	27-WY-S	EPA 200.8	AJM	1
10452339028	28-WY-DF	EPA 200.8	AJM	1
10452339029	29-WY-S	EPA 200.8	AJM	1
10452339030	30-WY-DF	EPA 200.8	AJM	1
10452339031	31-WY-DF	EPA 200.8	AJM	1
10452339032	32-WY-S	EPA 200.8	AJM	1
10452339033	33-WY-DF	EPA 200.8	WBS	1
10452339034	34-WY-S	EPA 200.8	WBS	1
10452339035	35-WY-DF	EPA 200.8	WBS	1
10452339036	36-WY-S	EPA 200.8	WBS	1
10452339037	37-WY-S	EPA 200.8	WBS	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10452339038	**38-WY-DF**	EPA 200.8	WBS	1
10452339039	**39-WY-DF**	EPA 200.8	WBS	1
10452339040	**40-WY-S**	EPA 200.8	WBS	1
10452339041	**41-WY-S**	EPA 200.8	PW1	1
10452339042	**42-WY-DF**	EPA 200.8	PW1	1
10452339043	**43-WY-S**	EPA 200.8	PW1	1
10452339044	**44-WY-S**	EPA 200.8	PW1	1
10452339045	**45-WY-WC**	EPA 200.8	PW1	1
10452339046	**46-WY-DF**	EPA 200.8	AJM	1
10452339047	**47-WY-DF**	EPA 200.8	AJM	1
10452339048	**48-WY-S**	EPA 200.8	WBS	1
10452339049	**49-WY-S**	EPA 200.8	AJM	1
10452339050	**50-WY-S**	EPA 200.8	AJM	1
10452339051	**51-WY-S**	EPA 200.8	AJM	1
10452339052	**52-WY-S**	EPA 200.8	AJM	1
10452339053	**53-WY-S**	EPA 200.8	AJM	1
10452339054	**54-WY-S**	EPA 200.8	AJM	1
10452339055	**55-WY-S**	EPA 200.8	AJM	1
10452339056	**56-WY-S**	EPA 200.8	AJM	1
10452339057	**57-WY-S**	EPA 200.8	WBS	1
10452339058	**58-WY-DF**	EPA 200.8	AJM	1
10452339059	**59-WY-DF**	EPA 200.8	AJM	1
10452339060	**60-WY-S**	EPA 200.8	AJM	1
10452339061	**61-WY-S**	EPA 200.8	PW1	1
10452339062	**62-WY-S**	EPA 200.8	PW1	1
10452339063	**63-WY-S**	EPA 200.8	PW1	1
10452339064	**64-WY-S**	EPA 200.8	PW1	1
10452339065	**65-WY-DF**	EPA 200.8	PW1	1

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 01-WY-S **Lab ID: 10452339001** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**4.2**	ug/L	0.10	1		10/24/18 17:12	7439-92-1	

Sample: 02-WY-S **Lab ID: 10452339002** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**21.0**	ug/L	0.10	1		10/24/18 17:21	7439-92-1	

Sample: 03-WY-S **Lab ID: 10452339003** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**4.0**	ug/L	0.10	1		10/24/18 17:23	7439-92-1	

Sample: 04-WY-K **Lab ID: 10452339004** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**5.0**	ug/L	0.10	1		10/24/18 17:25	7439-92-1	

Sample: 05-WY-S **Lab ID: 10452339005** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.9**	ug/L	0.10	1		10/24/18 17:28	7439-92-1	

Sample: 06-WY-S **Lab ID: 10452339006** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.5**	ug/L	0.10	1		10/24/18 17:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 07-WY-S **Lab ID: 10452339007** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**16.5**	ug/L	0.10	1		10/24/18 17:37	7439-92-1	

Sample: 08-WY-S **Lab ID: 10452339008** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.9**	ug/L	0.10	1		10/24/18 17:39	7439-92-1	

Sample: 09-WY-S **Lab ID: 10452339009** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.64**	ug/L	0.10	1		10/24/18 17:41	7439-92-1	

Sample: 10-WY-S **Lab ID: 10452339010** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.52**	ug/L	0.10	1		10/24/18 17:43	7439-92-1	

Sample: 11-WY-S **Lab ID: 10452339011** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.27**	ug/L	0.10	1		10/24/18 17:46	7439-92-1	

Sample: 12-WY-DF **Lab ID: 10452339012** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.64**	ug/L	0.10	1		10/24/18 17:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 13-WY-S **Lab ID: 10452339013** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		10/24/18 17:57	7439-92-1	

Sample: 14-WY-S **Lab ID: 10452339014** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.6**	ug/L	0.10	1		10/24/18 17:59	7439-92-1	

Sample: 15-WY-S **Lab ID: 10452339015** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.0**	ug/L	0.10	1		10/24/18 18:01	7439-92-1	

Sample: 16-WY-S **Lab ID: 10452339016** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.6**	ug/L	0.10	1		10/24/18 18:03	7439-92-1	

Sample: 17-WY-S **Lab ID: 10452339017** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**9.8**	ug/L	0.10	1		10/24/18 18:06	7439-92-1	

Sample: 18-WY-S **Lab ID: 10452339018** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.3**	ug/L	0.10	1		10/24/18 18:08	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 19-WY-S **Lab ID: 10452339019** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**6.4**	ug/L	0.10	1		10/24/18 18:10	7439-92-1	

Sample: 20-WY-S **Lab ID: 10452339020** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**11.3**	ug/L	0.10	1	10/25/18 09:54	11/01/18 12:49	7439-92-1	

Sample: 21-WY-S **Lab ID: 10452339021** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.82**	ug/L	0.10	1		10/24/18 18:21	7439-92-1	

Sample: 22-WY-S **Lab ID: 10452339022** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.46**	ug/L	0.10	1		10/24/18 18:30	7439-92-1	

Sample: 23-WY-DF **Lab ID: 10452339023** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.8**	ug/L	0.10	1		10/24/18 18:32	7439-92-1	

Sample: 24-WY-S **Lab ID: 10452339024** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.2**	ug/L	0.10	1		10/24/18 18:35	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 25-WY-DF **Lab ID: 10452339025** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.41**	ug/L	0.10	1		10/24/18 18:37	7439-92-1	

Sample: 26-WY-S **Lab ID: 10452339026** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.56**	ug/L	0.10	1		10/24/18 18:44	7439-92-1	

Sample: 27-WY-S **Lab ID: 10452339027** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking 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		10/24/18 18:46	7439-92-1	

Sample: 28-WY-DF **Lab ID: 10452339028** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.88**	ug/L	0.10	1		10/24/18 18:48	7439-92-1	

Sample: 29-WY-S **Lab ID: 10452339029** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		10/24/18 18:50	7439-92-1	

Sample: 30-WY-DF **Lab ID: 10452339030** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.50**	ug/L	0.10	1		10/24/18 18:53	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 31-WY-DF **Lab ID: 10452339031** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		10/24/18 18:55	7439-92-1	

Sample: 32-WY-S **Lab ID: 10452339032** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.1**	ug/L	0.10	1		10/24/18 18:59	7439-92-1	

Sample: 33-WY-DF **Lab ID: 10452339033** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		10/25/18 11:22	7439-92-1	

Sample: 34-WY-S **Lab ID: 10452339034** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.88**	ug/L	0.10	1		10/25/18 11:25	7439-92-1	

Sample: 35-WY-DF **Lab ID: 10452339035** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.70**	ug/L	0.10	1		10/25/18 11:27	7439-92-1	

Sample: 36-WY-S **Lab ID: 10452339036** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.71**	ug/L	0.10	1		10/25/18 11:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 37-WY-S **Lab ID: 10452339037** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.6**	ug/L	0.10	1		10/25/18 11:33	7439-92-1	

Sample: 38-WY-DF **Lab ID: 10452339038** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.65**	ug/L	0.10	1		10/25/18 11:36	7439-92-1	

Sample: 39-WY-DF **Lab ID: 10452339039** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.2**	ug/L	0.10	1		10/25/18 11:38	7439-92-1	

Sample: 40-WY-S **Lab ID: 10452339040** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.57**	ug/L	0.10	1		10/25/18 11:41	7439-92-1	

Sample: 41-WY-S **Lab ID: 10452339041** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.47**	ug/L	0.10	1		10/24/18 14:21	7439-92-1	

Sample: 42-WY-DF **Lab ID: 10452339042** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		10/24/18 14:28	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 43-WY-S **Lab ID: 10452339043** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.87**	ug/L	0.10	1		10/24/18 14:30	7439-92-1	

Sample: 44-WY-S **Lab ID: 10452339044** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**7.2**	ug/L	0.10	1		10/24/18 14:32	7439-92-1	

Sample: 45-WY-WC **Lab ID: 10452339045** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	ND	ug/L	0.10	1		10/24/18 14:34	7439-92-1	

Sample: 46-WY-DF **Lab ID: 10452339046** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		10/24/18 16:07	7439-92-1	

Sample: 47-WY-DF **Lab ID: 10452339047** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.6**	ug/L	0.10	1		10/24/18 16:10	7439-92-1	

Sample: 48-WY-S **Lab ID: 10452339048** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**17.3**	ug/L	0.10	1	10/25/18 09:54	11/01/18 12:51	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 49-WY-S **Lab ID: 10452339049** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.2**	ug/L	0.10	1		10/24/18 16:12	7439-92-1	

Sample: 50-WY-S **Lab ID: 10452339050** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.1**	ug/L	0.10	1		10/24/18 16:14	7439-92-1	

Sample: 51-WY-S **Lab ID: 10452339051** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.5**	ug/L	0.10	1		10/24/18 16:16	7439-92-1	

Sample: 52-WY-S **Lab ID: 10452339052** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.2**	ug/L	0.10	1		10/24/18 16:19	7439-92-1	

Sample: 53-WY-S **Lab ID: 10452339053** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**11.5**	ug/L	0.10	1		10/24/18 16:21	7439-92-1	

Sample: 54-WY-S **Lab ID: 10452339054** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.1**	ug/L	0.10	1		10/24/18 16:28	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 55-WY-S **Lab ID: 10452339055** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking 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		10/24/18 16:30	7439-92-1	

Sample: 56-WY-S **Lab ID: 10452339056** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**2.8**	ug/L	0.10	1		10/24/18 16:32	7439-92-1	

Sample: 57-WY-S **Lab ID: 10452339057** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Lead	**23.0**	ug/L	0.10	1	10/25/18 09:54	11/01/18 12:54	7439-92-1	

Sample: 58-WY-DF **Lab ID: 10452339058** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**1.0**	ug/L	0.10	1		10/24/18 16:34	7439-92-1	

Sample: 59-WY-DF **Lab ID: 10452339059** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**0.77**	ug/L	0.10	1		10/24/18 16:36	7439-92-1	

Sample: 60-WY-S **Lab ID: 10452339060** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**5.2**	ug/L	0.10	1		10/24/18 16:39	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Sample: 61-WY-S **Lab ID: 10452339061** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**10.0**	ug/L	0.10	1		10/23/18 20:42	7439-92-1	

Sample: 62-WY-S **Lab ID: 10452339062** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**3.5**	ug/L	0.10	1		10/23/18 20:47	7439-92-1	

Sample: 63-WY-S **Lab ID: 10452339063** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking 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		10/23/18 20:49	7439-92-1	

Sample: 64-WY-S **Lab ID: 10452339064** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8							
Lead	**4.6**	ug/L	0.10	1		10/23/18 20:51	7439-92-1	

Sample: 65-WY-DF **Lab ID: 10452339065** Collected: 10/17/18 07:00 Received: 10/17/18 10:20 Matrix: Drinking 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		10/23/18 20:52	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

QC Batch: 570348 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452339001, 10452339002, 10452339003, 10452339004, 10452339005, 10452339006, 10452339007, 10452339008, 10452339009, 10452339010, 10452339011, 10452339012, 10452339013, 10452339014, 10452339015, 10452339016, 10452339017, 10452339018, 10452339019

METHOD BLANK: 3094778 Matrix: Water
Associated Lab Samples: 10452339001, 10452339002, 10452339003, 10452339004, 10452339005, 10452339006, 10452339007, 10452339008, 10452339009, 10452339010, 10452339011, 10452339012, 10452339013, 10452339014, 10452339015, 10452339016, 10452339017, 10452339018, 10452339019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	10/24/18 17:08	

LABORATORY CONTROL SAMPLE: 3094779

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	96.5	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3099121 3099122

Parameter	Units	10452339001 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	100	100	97.2	101	93	97	70-130	4	20	

MATRIX SPIKE SAMPLE: 3099123

Parameter	Units	10452339011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	0.27	100	94.8	95	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

QC Batch: 570349 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452339021, 10452339022, 10452339023, 10452339024, 10452339025, 10452339026, 10452339027, 10452339028, 10452339029, 10452339030, 10452339031, 10452339032, 10452339033, 10452339034, 10452339035, 10452339036, 10452339037, 10452339038, 10452339039, 10452339040

METHOD BLANK: 3094781 Matrix: Water
Associated Lab Samples: 10452339021, 10452339022, 10452339023, 10452339024, 10452339025, 10452339026, 10452339027, 10452339028, 10452339029, 10452339030, 10452339031, 10452339032, 10452339033, 10452339034, 10452339035, 10452339036, 10452339037, 10452339038, 10452339039, 10452339040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	10/24/18 18:17	

LABORATORY CONTROL SAMPLE: 3094782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	98.4	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3099159 3099160

Parameter	Units	10452339021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	0.82	100	100	98.2	97.6	97	97	70-130	1	20	

MATRIX SPIKE SAMPLE: 3099161

Parameter	Units	10452339031 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.1	100	98.4	97	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

QC Batch: 570350 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452339041, 10452339042, 10452339043, 10452339044, 10452339045, 10452339046, 10452339047, 10452339049, 10452339050, 10452339051, 10452339052, 10452339053, 10452339054, 10452339055, 10452339056, 10452339058, 10452339059, 10452339060

METHOD BLANK: 3094784 Matrix: Water
Associated Lab Samples: 10452339041, 10452339042, 10452339043, 10452339044, 10452339045, 10452339046, 10452339047, 10452339049, 10452339050, 10452339051, 10452339052, 10452339053, 10452339054, 10452339055, 10452339056, 10452339058, 10452339059, 10452339060

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	10/24/18 14:18	

LABORATORY CONTROL SAMPLE: 3094785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	89.0	89	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3099112 3099113

Parameter	Units	10452339041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	0.47	100	100	87.9	93.7	87	93	70-130	6	20	

MATRIX SPIKE SAMPLE: 3099114

Parameter	Units	10452339060 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	5.2	100	96.1	91	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

QC Batch: 570355 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water
Associated Lab Samples: 10452339061, 10452339062, 10452339063, 10452339064, 10452339065

METHOD BLANK: 3094799 Matrix: Water
Associated Lab Samples: 10452339061, 10452339062, 10452339063, 10452339064, 10452339065

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	10/23/18 20:31	

LABORATORY CONTROL SAMPLE: 3094800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	88.3	88	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3098304 3098305

Parameter	Units	10452318042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	0.75	100	100	84.4	83.0	84	82	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

QC Batch: 571374 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 10452339020, 10452339048, 10452339057

METHOD BLANK: 3100063 Matrix: Water
Associated Lab Samples: 10452339020, 10452339048, 10452339057

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	11/01/18 12:13	

LABORATORY CONTROL SAMPLE: 3100064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	113	113	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3100065 3100066

Parameter	Units	10452318043 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	2.1	100	100	114	112	112	110	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

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QUALIFIERS

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452339001	01-WY-S	EPA 200.8	570348		
10452339002	02-WY-S	EPA 200.8	570348		
10452339003	03-WY-S	EPA 200.8	570348		
10452339004	04-WY-K	EPA 200.8	570348		
10452339005	05-WY-S	EPA 200.8	570348		
10452339006	06-WY-S	EPA 200.8	570348		
10452339007	07-WY-S	EPA 200.8	570348		
10452339008	08-WY-S	EPA 200.8	570348		
10452339009	09-WY-S	EPA 200.8	570348		
10452339010	10-WY-S	EPA 200.8	570348		
10452339011	11-WY-S	EPA 200.8	570348		
10452339012	12-WY-DF	EPA 200.8	570348		
10452339013	13-WY-S	EPA 200.8	570348		
10452339014	14-WY-S	EPA 200.8	570348		
10452339015	15-WY-S	EPA 200.8	570348		
10452339016	16-WY-S	EPA 200.8	570348		
10452339017	17-WY-S	EPA 200.8	570348		
10452339018	18-WY-S	EPA 200.8	570348		
10452339019	19-WY-S	EPA 200.8	570348		
10452339021	21-WY-S	EPA 200.8	570349		
10452339022	22-WY-S	EPA 200.8	570349		
10452339023	23-WY-DF	EPA 200.8	570349		
10452339024	24-WY-S	EPA 200.8	570349		
10452339025	25-WY-DF	EPA 200.8	570349		
10452339026	26-WY-S	EPA 200.8	570349		
10452339027	27-WY-S	EPA 200.8	570349		
10452339028	28-WY-DF	EPA 200.8	570349		
10452339029	29-WY-S	EPA 200.8	570349		
10452339030	30-WY-DF	EPA 200.8	570349		
10452339031	31-WY-DF	EPA 200.8	570349		
10452339032	32-WY-S	EPA 200.8	570349		
10452339033	33-WY-DF	EPA 200.8	570349		
10452339034	34-WY-S	EPA 200.8	570349		
10452339035	35-WY-DF	EPA 200.8	570349		
10452339036	36-WY-S	EPA 200.8	570349		
10452339037	37-WY-S	EPA 200.8	570349		
10452339038	38-WY-DF	EPA 200.8	570349		
10452339039	39-WY-DF	EPA 200.8	570349		
10452339040	40-WY-S	EPA 200.8	570349		
10452339041	41-WY-S	EPA 200.8	570350		
10452339042	42-WY-DF	EPA 200.8	570350		
10452339043	43-WY-S	EPA 200.8	570350		
10452339044	44-WY-S	EPA 200.8	570350		
10452339045	45-WY-WC	EPA 200.8	570350		
10452339046	46-WY-DF	EPA 200.8	570350		
10452339047	47-WY-DF	EPA 200.8	570350		
10452339049	49-WY-S	EPA 200.8	570350		
10452339050	50-WY-S	EPA 200.8	570350		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 19044 Wyoming Elementary
Pace Project No.: 10452339

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452339051	**51-WY-S**	EPA 200.8	570350		
10452339052	**52-WY-S**	EPA 200.8	570350		
10452339053	**53-WY-S**	EPA 200.8	570350		
10452339054	**54-WY-S**	EPA 200.8	570350		
10452339055	**55-WY-S**	EPA 200.8	570350		
10452339056	**56-WY-S**	EPA 200.8	570350		
10452339058	**58-WY-DF**	EPA 200.8	570350		
10452339059	**59-WY-DF**	EPA 200.8	570350		
10452339060	**60-WY-S**	EPA 200.8	570350		
10452339061	**61-WY-S**	EPA 200.8	570355		
10452339062	**62-WY-S**	EPA 200.8	570355		
10452339063	**63-WY-S**	EPA 200.8	570355		
10452339064	**64-WY-S**	EPA 200.8	570355		
10452339065	**65-WY-DF**	EPA 200.8	570355		
10452339020	**20-WY-S**	EPA 200.8	571374	EPA 200.8	571512
10452339048	**48-WY-S**	EPA 200.8	571374	EPA 200.8	571512
10452339057	**57-WY-S**	EPA 200.8	571374	EPA 200.8	571512

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 2 wk

Section B
Required Project Information:

Report To:	Amy Weinzierl
Copy To:	
Purchase Order No.:	19044 Wyoming Elementary
Project Name:	~~[illegible]~~
Project Number:	19044-~~[illegible]~~

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

WO#: 10452339
10452339

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)	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Pb Lead	Residual	Pace Project No./ Lab I.D.
1	01-WY-S	DW	G			10/17/18	?													001
2	02-WY-S																			002
3	03-WY-S																			003
4	04-WY-K																			004
5	05-WY S																			005
6	06-WY-S																			006
7	07-WY-S																			007
8	08-WY-S																			008
9	09-WY-S																			009
10	10-WY-S																			010
11	11-WY-S																			011
12	12-WY-DF																			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	10-17-18	100	[signature] Pace	10/17/18	1020	15.4	N	N	Y
							14.7			
							15.0			

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CHAIN-OF-CUSTODY / Analytical Request Document

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044 Wyoming Elementary
Project Name: [redacted]
Project Number: 19044-[redacted]

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 Due Date/TAT: 2WK

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	13-WY-S	DW	G				10/7/18	7		1												013
2	14-WY-S																					014
3	15-WY-S																					015
4	16-WY-S																					016
5	17-WY-S																					017
6	18-WY-S																					018
7	19-WY-S																					019
8	20-WY-S																					020
9	21-WY-S																					021
10	22-WY-S																					022
11	23-WY-DF																					023
12	24-WY-S																					024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		10-17-18	1045	Pace	10/17/18	1020	15.4	N	N	Y
							14.7			
							15.0			

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Requested Due Date/TAT: 2WK.

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044 Wyoming Elementary
Project Name: ~~ISD 831 PO to PW~~
Project Number: 19044 - ~~Billing~~

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

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	Analysis Test: Pb 6-card	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	25-WY-DF	DW	G			10/17/18	7		1												025
2	26-WY-S																				026
3	27-WY-S																				027
4	28-WY-DF																				028
5	29-WY-S																				029
6	30-WY-DF																				030
7	31-WY-DF																				031
8	32-WY-S																				032
9	33-WY-DF																				033
10	34-WY-S																				034
11	35-WY-DF																				035
12	36-WY-S																				036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		10-17	1015	Pace	10/17/18	1020	15.4	N	N	Y
							14.7			
							15.0			

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 4 of 6

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044 Wyoming Elementary
Project Name: ~~ISD 831 - Elem DW~~
Project Number: 19044-~~DW~~
Requested Due Date/TAT: 2 WK

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	Requested Analysis Filtered (Y/N): Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	37-WY-S	DW	G			10/17/18	7		1										Y		037
2	38-WY-DF																				038
3	39-WY-DF																				039
4	40-WY-S																				040
5	41-WY-S																				041
6	42-WY-DF																				042
7	43-WY-~~MS~~S																				043
8	44-WY-S																				044
9	45-WY-WC																				045
10	46-WY-DF																				046
11	47-WY-DF																				047
12	48-WY-S	WW	WW			↓	↓		↓										↓		048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		10-17	1015	Matt Pace	10/17/18	1020	15.4 N N 4
							14.7
							15.0

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Page: 5 of 6

Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com
Requested Due Date/TAT: 2WK

Section B
Required Project Information:
Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044 Wyoming Elementary
Project Name: ~~150 831 Pb in DW~~
Project Number: 19044-~~2022~~

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: Pb Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	49-WY-S	DW	G			10/17/18	7		1											049
2	50-WY-S	↓	↓			↓	↓		↓									↓		050
3	51-WY-S	↓	↓			↓	↓		↓									↓		051
4	52-WY-S	↓	↓			↓	↓		↓									↓		052
5	53-WY-S	↓	↓			↓	↓		↓									↓		053
6	54-WY-S	↓	↓			↓	↓		↓									↓		054
7	55-WY-S	↓	↓			↓	↓		↓									↓		055
8	56-WY-S	↓	↓			↓	↓		↓									↓		056
9	57-WY-S	↓	↓			↓	↓		↓									↓		057
10	58-WY-DF	↓	↓			↓	↓		↓									↓		058
11	59-WY-DF	↓	↓			↓	↓		↓									↓		059
12	60-WY-S	↓	↓			↓	↓		↓									↓		060

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	10-17	1015	[signature] Pace	10/17/18	1020	15.4	N	N	Y
							14.7			
							15.0			

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CHAIN-OF-CUSTODY / Analytical Request Document

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Field Environmental Consulting, Inc.
8612 Eagle Creek Parkway
Savage, MN 55378

Attn: Amy Weinzierl
952-746-5880
Mailbox@fieldconsultinginc.com

Page: 6 of 6

Section B Required Project Information:

Report To: Amy Weinzierl
Copy To:
Purchase Order No.: 19044 Wyoming Elementary
Project Name: ~~ISD 831 Pipeline~~
Project Number: 19044-~~[illegible]~~
Requested Due Date/TAT: 2wk

Section C Invoice Information:

Attention: Jenny Field
Company Name: SAME
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 17781.9

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	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	61-WY-S	DW	G			10/17/18	7		1										Y		061
2	62-WY-S																				062
3	63-WY-S																				063
4	64-WY-S																				064
5	65-WY-DF																				065
6	66-WY-																				
7	67-WY-																				
8	68-WY-																				
9	69-WY-																				
10	70-WY-																				
11	71-WY-																				
12	72-WY-																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		10-17	1015	Matt Pace	10/17/18	1020	15.4	N	N	Y
							14.7			
							15.0			

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 Env Consult

Project #: WO#: 10452339

PM: JDD Due Date: 10/24/18

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): 15.2, 14.5, 14.8 **Cooler Temp Corrected (°C):** 15.4, 14.7, 15.0 **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** 10/19/18

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. 10/19/18
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 # 1-65
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes	☐No	☒N/A	Initial when completed: Lot # of added preservative:
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): N/A				

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: **Date:** 10/19/18

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
1-30	HNO3	>6	10/17/18	2001	1.0ml	1118040	1	BV
31-60	"	>6	"	2009	"	"	1	BV
61-65	"	>6	"	2012	"	"	1	BV