

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

November 24, 2020

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

RE: Final Report – First Draw Lead in Drinking Water Sampling SITES: Maintenance Building, Transportation Facility, Forest Lake Sports Center

PROJECT #: 20101

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 in November 2020 using *high* and *medium* priority sampling strategies at the Maintenance Building, Transportation Facility and Sports Center.

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 with a nitric acid (HNO₃) preservative. 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

Field Environmental Consulting, Inc.

Client: ISD #831 Report of: First Draw Lead in Drinking Water Sampling

Project No.: 20101 Locations: Maintenance Building, Transportation Facility, Sports Center Date: November 24, 2020

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.

Maintenance Building:

None of the three (3) samples collected in the Maintenance Building were above the recommended limit of 20 ppb.

Site Name: Maintenance Building Date: 11/6/2020							
Floor	Location	Sample ID	Type DF = Drinking Fountain SNK = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)			
First	Kitchen	1	SNK	1.1			
First	Hall	2	WC	0.81			
First	Kitchen	3	WC	ND			

ND=none detected

Transportation Facility:

None of the seven (7) samples collected in the Maintenance Building were above the recommended limit of 20 ppb.

Site Name: Transportation Facility Dates: 11/6/2020							
Floor	Location	Sample ID	Type DF = Drinking Fountain SNK = Sink WC = Water Cooler BF = Bottle Filler K=Kettle Bunn = Coffee Maker	Lead Result (ppb)			
First	Kitchen	1	WC	ND			
First	Kitchen	2	SNK	0.36			
First	Kitchen	3	Bunn	6.7			
First	Hall	4	WC	ND			
First	Hall	5	BF	ND			
First	Hall	6	WC	ND			
First	Garage	7	SNK	1			

ND=none detected

Page: 3

Client: ISD #831

Report of: First Draw Lead in Drinking Water Sampling

Project No.: 20101 Locations: Maintenance Building, Transportation Facility, Sports Center Date: November 24, 2020

Sports Center:

None of the twelve (12) samples collected at the Forest Lake Sports Center were above the recommended limit of 20 ppb.

	Site Name: Sports Center Dates: 11/13/2020						
Floor	Location	Sample ID	Type DF = Drinking Fountain SNK = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result (ppb)			
First	North Hallway	1	WC	ND			
First	North Hallway	2	WC	ND			
First	North Hallway	3	BF	ND			
First	South Hallway	4	WC	ND			
First	South Hallway	5	WC	ND			
First	South Hallway	6	BF	ND			
Second	Concession	7	SNK	2.5			
Second	North Hallway	8	WC	0.41			
Second	North Hallway	9	WC	0.61			
Second	Concession	10	SNK	1.5			
Second	South Hallway	11	WC	0.16			
Second	South Hallway	12	WC	0.20			

ND=none detected

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. However, all collected samples were below the action level and require no remedial efforts.

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. ENVIRONMENTAL provided labels for labeling those 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.

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.

Field Environmental Consulting, Inc.

Client: ISD #831 Page: 4
Report of: First Draw Lead in Drinking Water Sampling Project No.: 20101

Locations: Maintenance Building, Transportation Facility, Sports Center Date: November 24, 2020

Any questions regarding the fieldwork, sample results or presented findings should be directed to Field Environmental Consulting, Inc.

PREPARED and REVIEWED BY:

Field Environmental Consulting, Inc.

Amy Murray, CSP (#27824)

EHS Manager

Amy@fieldconsultinginc.com

Parker Prose

Safety & IAQ Specialist

ParkerP@fieldconsultinginc.com

<u>Attachments</u>

Appendix A: Locations and Results Tables

Appendix B: Drawings

Appendix C: Laboratory Reports

APPENDIX A LOCATIONS AND RESULTS TABLES



Site Name: Maintenance Building Dates: 11/6/2020						
Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain SNK = Sink WC = Water Cooler BF = Bottle Filler	Lead Result (ppb)	
First	-	Kitchen	1	SNK	1.1	
First	-	Hall	2	WC	0.81	
First	-	Kitchen	3	WC	ND	

ND = None Detected

Site Name: Sports Center Date: 11/13/2020							
Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain SNK = Sink WC = Water Cooler BF = Bottle Filler	Lead Result (ppb)		
First	-	North Hallway	1	WC	ND		
First	-	North Hallway	2	WC	ND		
First	-	North Hallway	3	BF	ND		
First	-	South Hallway	4	WC	ND		
First	-	South Hallway	5	WC	ND		
First	-	South Hallway	6	BF	ND		
Second	-	Concession	7	SNK	2.5		
Second	-	North Hallway	8	WC	0.41		
Second	-	North Hallway	9	WC	0.61		
Second	-	Concession	10	SNK	1.5		
Second	-	South Hallway	11	WC	0.16		
Second	-	South Hallway	12	WC	0.2		

ND = None Detected

	Site Name: Transportation Facility Date: 11/6/2020							
Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain SNK = Sink WC = Water Cooler BF = Bottle Filler Bunn = Coffee Maker	Lead Result (ppb)			
First	-	Kitchen	1	WC	ND			
First	-	Kitchen	2	SNK	0.36			
First	-	Kitchen	3	Bunn	6.7			
First	-	Hall	4	WC	ND			
First	-	Hall	5	BF	ND			
First	-	Hall	6	WC	ND			
First	-	Garage	7	SNK	1			

ND = None Detected

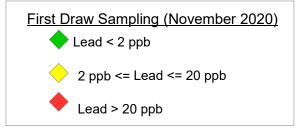


APPENDIX B

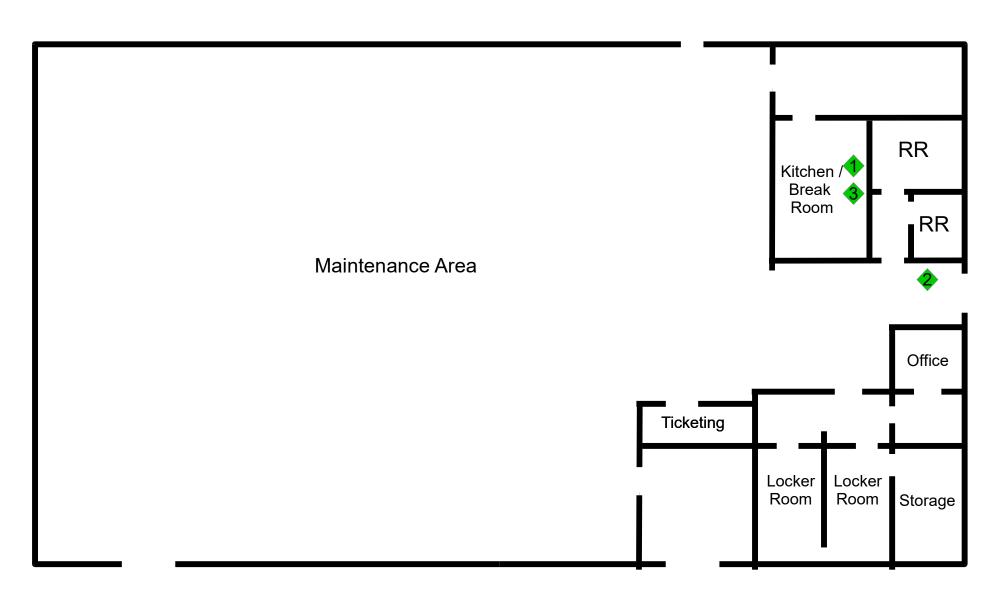
Drawings



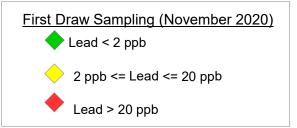
Maintenance Garage Lead in Drinking Water Project # 20101



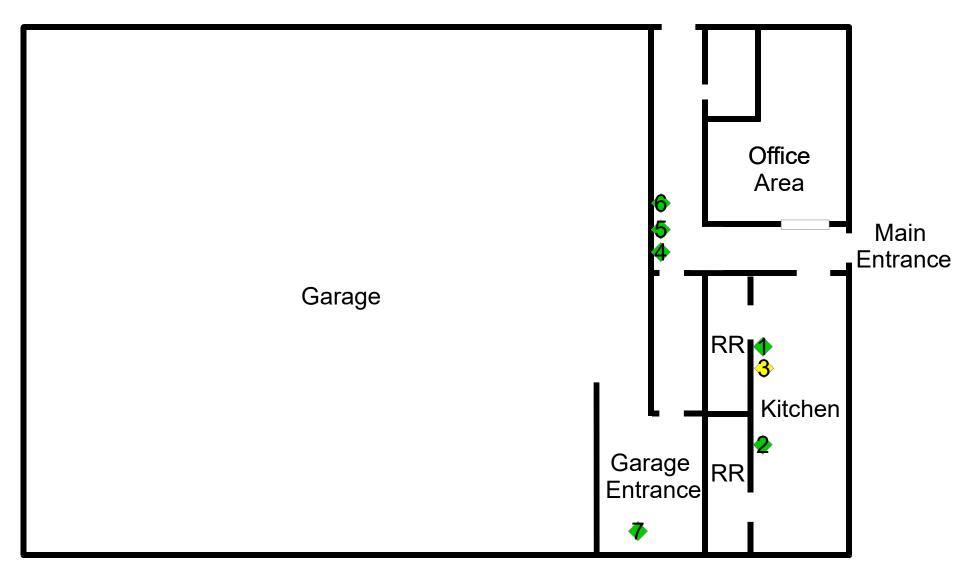




Transportation Facility Lead in Drinking Water Project # 20101

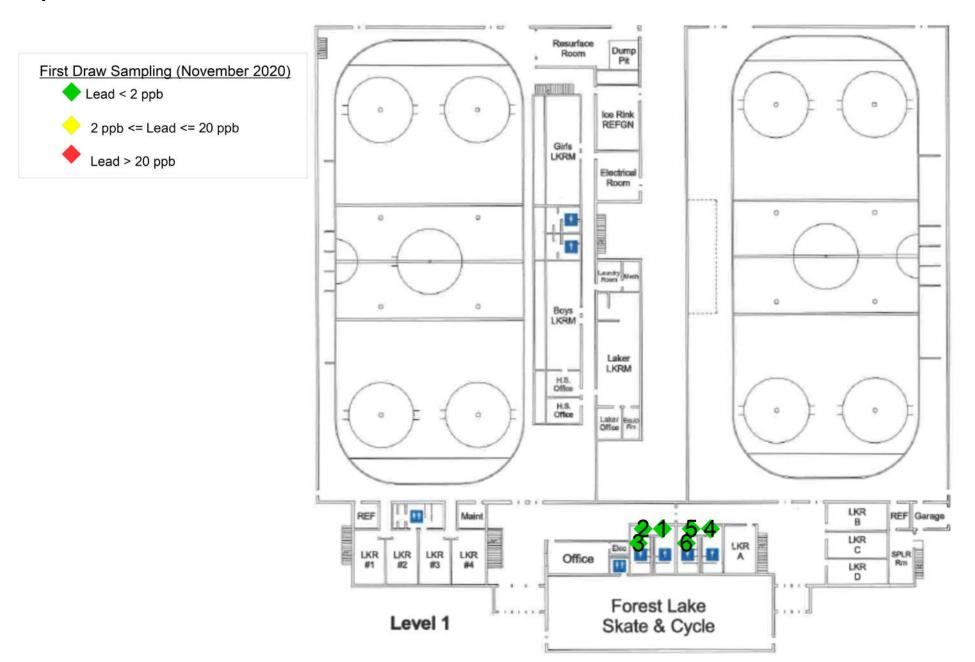






Sports Center Lead in Drinking Water Project # 20101





Sports Center Lead in Drinking Water Project # 20101





APPENDIX C

LABORATORY REPORTS







November 16, 2020

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

RE: Project: 20101 - Forest Lake LIW

Pace Project No.: 10538385

Dear Amy Weinzierl:

Enclosed are the analytical results for sample(s) received by the laboratory on November 06, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

• Pace Analytical Services - Minneapolis

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

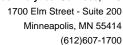
Sincerely,

Jared Dickinson jared.dickinson@pacelabs.com (612)607-1700 Project Manager

Enclosures

cc: Steve Field, Field Environmental Consulting General Mailbox, Field Environmental Consulting







CERTIFICATIONS

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538385

Pace Analytical Services - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air

Lab

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 Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-

053-137

Florida Certification #: E87605*
Georgia Certification #: 959
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 #: Al-03086*
Louisiana DW Certification #: MN00064

Maine Certification #: MN00064* Maryland Certification #: 322

Massachusetts DWP Certification #: via MN 027-053-137

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240*

Mississippi Certification #: MN00064
Missouri Certification #: 10100
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 Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382

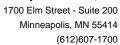
West Virginia DW Certification #: 9952 C Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

*Please Note: Applicable air certifications are denoted with

an asterisk (*).





SAMPLE SUMMARY

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538385

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10538385001	01-MAINT-KITCHEN-SNK	Drinking Water	11/06/20 05:30	11/06/20 11:07
10538385002	02-MAINT-HALL-WC	Drinking Water	11/06/20 05:30	11/06/20 11:07
10538385003	03-MAINT-KITCHEN-WC	Drinking Water	11/06/20 05:30	11/06/20 11:07





SAMPLE ANALYTE COUNT

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538385

10538385001 01-MAINT-KITCHEN-SNK EPA 200.8 PW1	Lab ID	Sample ID	Method	Analysts	Analytes Reported
	10538385001	01-MAINT-KITCHEN-SNK	EPA 200.8	PW1	1
10538385002 02-MAINT-HALL-WC EPA 200.8 PW1	10538385002	2 02-MAINT-HALL-WC	EPA 200.8	PW1	1
10538385003 03-MAINT-KITCHEN-WC EPA 200.8 PW1	10538385003	03-MAINT-KITCHEN-WC	EPA 200.8	PW1	1

PASI-M = Pace Analytical Services - Minneapolis





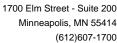
ANALYTICAL RESULTS

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538385

Date: 11/16/2020 03:32 PM

Sample: 01-MAINT-KITCHEN-SNK	Lab ID: 1	10538385001	Collected: 11/0	6/20 05:30	Received: 1	11/06/20 11:07	Matrix: Drinking	Water
Parameters	Results	Units	Report Limi	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical M	Method: EPA 20	00.8					
	Pace Analy	tical Services -	Minneapolis					
Lead	1.1	ug/L	0.1	0 1		11/16/20 12:5	54 7439-92-1	
Sample: 02-MAINT-HALL-WC	Lab ID: 1	10538385002	Collected: 11/0	6/20 05:30	Received: 1	11/06/20 11:07	Matrix: Drinking	Water
Parameters	Results	Units	Report Limi	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical M	/lethod: EPA 20	00.8					
	Pace Analy	tical Services -	Minneapolis					
Lead	0.81	ug/L	0.1	0 1		11/16/20 12:5	7439-92-1	
Sample: 03-MAINT-KITCHEN-WC	Lab ID: 1	10538385003	Collected: 11/0	6/20 05:30	Received: 1	11/06/20 11:07	Matrix: Drinking	Water
Parameters	Results	Units	Report Limi	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical M	Method: EPA 20	00.8					
	Pace Analy	tical Services -	Minneapolis					
Lead	ND	ug/L	0.1	0 1		11/16/20 12:5	59 7439-92-1	





QUALITY CONTROL DATA

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538385

QC Batch: 709940 Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10538385001, 10538385002, 10538385003

METHOD BLANK: 3792232 Matrix: Water

Associated Lab Samples: 10538385001, 10538385002, 10538385003

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L ND 0.10 11/16/20 12:22

LABORATORY CONTROL SAMPLE: 3792233

Spike LCS LCS % Rec Conc. % Rec Limits Qualifiers Parameter Units Result Lead 100 105 105 85-115 ug/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797994 3797995

MS MSD

10538349021 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Result Result % Rec **RPD** RPD Result Conc. % Rec Limits Qual 20 Lead ug/L 0.43 100 100 102 104 102 103 70-130

MATRIX SPIKE SAMPLE: 3797996

Date: 11/16/2020 03:32 PM

MS MS 10538385003 Spike % Rec Parameter Units Result Conc. Result % Rec Limits Qualifiers ND Lead 107 107 70-130 ug/L 100

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.

(612)607-1700



QUALIFIERS

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538385

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.

Date: 11/16/2020 03:32 PM





QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538385

Date: 11/16/2020 03:32 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10538385001	01-MAINT-KITCHEN-SNK	EPA 200.8	709940		
10538385002	02-MAINT-HALL-WC	EPA 200.8	709940		
10538385003	03-MAINT-KITCHEN-WC	EPA 200.8	709940		

1867
** Preservative Types: (1)
(6) methanol, (7) sodium l (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other
1555.55
[Western
13:40
1.00
7 0
H37
Ø
1.7
1.0
. 1
1200
1



hold, incorrect preservative, out of temp, incorrect containers).

Document Name:

Sample Condition Upon Receipt (SCUR) - MN

Document No.:

ENV-FRM-MIN4-0150 Rev.01

Document Revised: 12Aug2020

Page 1 of 1

Pace Analytical Services - Minneapolis

mv 2 (20) 10 d 11

Sample Condition Upon Receipt Client Name:	Project	#: WO#:10538385			
<u></u>	pental Consulting	PM: JDD			
Courier: ☐ Fed Ex ☐ UPS ☐ Pace ☐ SpeeDee	☐USPS	CLIENT: FIELD ENV			
Tracking Number:	See Exceptio ENV-FRM-MIN	— I			
Custody Seal on Cooler/Box Present?	No Seals Intact	Yes ⊠No Biological Tissue Frozen? □Yes □No ⊠N/A			
Packing Material: Bubble Wrap Bub	ble Bags 🖾 None 🔲 Oth	er: Temp Blank?			
Thermometer:	(0459) Type of ice:	Wet Blue None Dry Melted			
Did Samples Originate in West Virginia? ☐ Yes	⊠No Were All Container T	emps Taken? 🗆 Yes 🗆 No 🖼 N/A			
Temp should be above freezing to 6°C Cooler Ten	np Read w/temp blank:	OC Average Corrected See Exceptions			
Correction Factor: Cooler Temp Co	rrected w/temp blank:	Temp (no temp blank ÉNV-FRM-MIN4-014: only): 160 or □1 Container			
USDA Regulated Soil: (🖄 N/A, water sample/Otho	er:)	Date/Initials of Person Examining Contents: MUZ 11-6-2			
Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, Did samples originate from a foreign source (internationally, including					
ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No 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.					
ii fes to either question, fill t	out a Regulated Soli Checklist (F	COMMENTS:			
Chair of Court du Bresset and Filled Out?	Yes □No				
Chain of Custody Present and Filled Out? Chain of Custody Relinquished?	Yes □Ño XYes □No	2.			
Sampler Name and/or Signature on COC?	Maryes □No □N/A	3.			
Samples Arrived within Hold Time?	Yes □No	4.			
Short Hold Time Analysis (<72 hr)?	∐Yes ⊠ No	5. Fecal Coliform HPC Total Coliform/E coli BOD/cBOD Hex Chrome Turbidity Nitrate Orthophos Other			
Rush Turn Around Time Requested?	□Yes 🏿 No	6.			
Sufficient Volume?	Yes □No	7.			
Correct Containers Used?	Yes No	-8.			
-Pace Containers Used?	Yes No				
Containers Intact?	Yes □No	9.			
Field Filtered Volume Received for Dissolved Tests?	Yes No N/A	10. Is sediment visible in the dissolved container?YesNo			
Is sufficient information available to reconcile the san to the COC?	nples □No	11. If no, write ID/ Date/Time on Container Below: See Exception			
Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other					
All containers needing acid/base preservation have be checked?	een → Yes □No □N/A	12. Sample #			
All containers needing preservation are found to be in compliance with EPA recommendation?	n	□ NaOH □ HNO₃ □ H₂SO₄ □ Zinc Acetate			
(HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH>10 Cya	nide)	_ , _ ,			
Formation VOA Colling TOC/DOCOIL and Conseq	□Yes □No ☑N/A	Positive for Res. Yes See Exception L			
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	۱۴۵ مالک ۱۴۵	Chorne:			
Shoydold (Water) and Bloking 11 Ad		Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip			
Extra labels present on soil VOA or WIDRO containers	?	13. See Exception			
Headspace in VOA Vials (greater than 6mm)?	☐Yes ☐No 💆 N/A	ENV-FRM-MIN4-014			
Trip Blank Present? Trip Blank Custody Seals Present?	□Yes □No ☑N/A □Yes □No ☑N/A	14. Pace Trip Blank Lot # (if purchased):			
	مرابع فالك فالك				
CLIENT NOTIFICATION/RESOLUTION Person Contacted:		Field Data Required? Yes No			
Person Contacted: Comments/Resolution:		Date/Time:			
Comments/ Nesotation.					
Project Manager Review:		Date: 11/9/20			

Note: Whenever there is a discrepancy affecting North Carolina DEHNR Certification Office (i.e. out of

Labeled by: _



Document Name:

Sample Condition Upon Receipt (SCUR) Exception Form

Document No.: ENV-FRM-MIN4-0142 Rev.01

Document Revised: 04Jun2020 Page 1 of 1

Pace Analytical Services - **Minneapolis**

CUR Exceptions:						Woi	rkord	er #:		
	Container	# of	1 9.7		PM No	itified? 🗌	Yes 🔲	No ·	pointone Pri Kili III	Property August
Out of Temp Sample IDs	Type	Containers	0 (00) (00) 0 (00)			September 1	42 (0.1.79) 366677340	sarana Bugana		9, 7, 246 15, 03 <u>0, 9</u>
			1	If yes, i		ho was co			ime.	
Married Construction		· · · · · · · · · · · · · · · · · · ·	_		If no, ir	ndicate rea	ason w	ny.		
w							٠			
			mos assister statut.							eres var
				ML	iltiple Co	oler Proje yes, fill out inf	CE:Y ormation	esNo		
							edge (d.p.urke). Stock SE, 16 Lea		Post Inf. It evices	
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November 16, 2020

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

RE: Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

Dear Amy Weinzierl:

Enclosed are the analytical results for sample(s) received by the laboratory on November 06, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

• Pace Analytical Services - Minneapolis

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

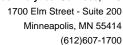
Sincerely,

Jared Dickinson jared.dickinson@pacelabs.com (612)607-1700 Project Manager

Enclosures

cc: Steve Field, Field Environmental Consulting General Mailbox, Field Environmental Consulting







CERTIFICATIONS

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

Pace Analytical Services - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air

Lab

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 Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-

053-137

Florida Certification #: E87605*
Georgia Certification #: 959
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 #: Al-03086*
Louisiana DW Certification #: MN00064

Maine Certification #: MN00064* Maryland Certification #: 322

Massachusetts DWP Certification #: via MN 027-053-137

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
Missouri Certification #: 10100
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

Oregon Primary 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*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Oklahoma Certification #: 9507*

*Please Note: Applicable air certifications are denoted with

an asterisk (*).



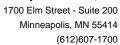


SAMPLE SUMMARY

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10538384001	01-TRANSPORTATION-KITCHEN- WC	Drinking Water	11/06/20 05:00	11/06/20 11:07
10538384002	02-TRANSPORTATION-KITCHEN- SNK	Drinking Water	11/06/20 05:00	11/06/20 11:07
10538384003	03-TRANSPORTATION-KITCHEN- BUNN	Drinking Water	11/06/20 05:00	11/06/20 11:07
10538384004	04-TRANSPORTATION-HALL-WC	Drinking Water	11/06/20 05:00	11/06/20 11:07
10538384005	05-TRANSPORTATION-HALL-BF	Drinking Water	11/06/20 05:00	11/06/20 11:07
10538384006	06-TRANSPORTATION-HALL- RWC	Drinking Water	11/06/20 05:00	11/06/20 11:07
10538384007	07-TRANSPORTATION-GARAGE- SNK	Drinking Water	11/06/20 05:00	11/06/20 11:07





SAMPLE ANALYTE COUNT

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10538384001	01-TRANSPORTATION-KITCHEN-WC	EPA 200.8	PW1	1
10538384002	02-TRANSPORTATION-KITCHEN-SNK	EPA 200.8	PW1	1
10538384003	03-TRANSPORTATION-KITCHEN-BUNN	EPA 200.8	PW1	1
10538384004	04-TRANSPORTATION-HALL-WC	EPA 200.8	PW1	1
10538384005	05-TRANSPORTATION-HALL-BF	EPA 200.8	PW1	1
10538384006	06-TRANSPORTATION-HALL-RWC	EPA 200.8	PW1	1
10538384007	07-TRANSPORTATION-GARAGE-SNK	EPA 200.8	PW1	1

PASI-M = Pace Analytical Services - Minneapolis

(612)607-1700



ANALYTICAL RESULTS

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

Date: 11/16/2020 03:32 PM

Sample: 01-TRANSPORTATION-	Lab ID: 10538384001 Collected: 11/06/20 05:00 Received: 11/06/20 11:07 Matrix: Drink									
KITCHEN-WC	Dogulto	Lloito	Donorti	mit DE	Dranarad	Analyzad	CACNo	Ougl		
Parameters	Results —	Units	Report Li	mit DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS, DW	Analytical Met	hod: EPA 20	00.8							
	Pace Analytic	al Services -	Minneapolis							
Lead	ND	ug/L	•	0.10 1		11/16/20 12:3	35 7439-92-1			
Sample: 02-TRANSPORTATION- KITCHEN-SNK	Lab ID: 105	38384002	Collected: 17	1/06/20 05:0	0 Received:	11/06/20 11:07	Matrix: Drinking	Water		
Parameters	Results	Units	Report Li	mit DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS, DW	Analytical Met	hod: EPA 20	00.8							
	Pace Analytic	al Services -	Minneapolis							
Lead	0.36	ug/L		0.10 1		11/16/20 12:37 7439-92-1				
Sample: 03-TRANSPORTATION- KITCHEN-BUNN	Lab ID: 105	38384003	Collected: 1	1/06/20 05:0	0 Received:	11/06/20 11:07	Matrix: Drinking	Water		
Parameters	Results	Units	Report Li	mit DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS, DW	Analytical Met	hod: EPA 20	8.00							
	Pace Analytic	al Services -	Minneapolis							
Lead	6.7	ug/L	•	0.10 1		11/16/20 12:4	14 7439-92-1			
Sample: 04-TRANSPORTATION- HALL-WC	Lab ID: 105	38384004	Collected: 1	1/06/20 05:0	0 Received:	11/06/20 11:07	Matrix: Drinking	Water		
Parameters	Results	Units	Report Li	mit DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS, DW	Analytical Met Pace Analytic									
, i	•		Minneapolis	0.10 1		11/16/20 12:4	6 7439-92-1			
Lead	Pace Analytic	al Services - ug/L	Minneapolis		0 Received:	11/16/20 12:4 11/06/20 11:07	16 7439-92-1 Matrix: Drinking	Water		
Lead Sample: 05-TRANSPORTATION-	Pace Analytica ND	al Services - ug/L	Minneapolis	1/06/20 05:0	0 Received: Prepared	11/06/20 11:07		Water Qual		
	Pace Analytica ND Lab ID: 105	ug/L 38384005 Units hod: EPA 20	Collected: 12 Report Li	1/06/20 05:0		11/06/20 11:07	Matrix: Drinking			





ANALYTICAL RESULTS

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

Date: 11/16/2020 03:32 PM

Sample: 06-TRANSPORTATION- HALL-RWC	Lab ID: 105	38384006	Collected: 11/06/	20 05:00	Received:	11/06/20 11:07	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS, DW	Analytical Met								
Lead	ND	11/16/20 12:5	12:50 7439-92-1						
Sample: 07-TRANSPORTATION- GARAGE-SNK	Lab ID: 105	538384007	Collected: 11/06/	20 05:00	Received:	11/06/20 11:07	Matrix: Drinking	Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS, DW	Analytical Met								
Lead	1.0	ug/L	0.10	1		11/16/20 12:5	52 7439-92-1		

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



QUALITY CONTROL DATA

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

QC Batch: 709940 Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10538384001, 10538384002, 10538384003, 10538384004, 10538384005, 10538384006, 10538384007

METHOD BLANK: 3792232 Matrix: Water

Associated Lab Samples: 10538384001, 10538384002, 10538384003, 10538384004, 10538384005, 10538384006, 10538384007

Blank Reporting

ParameterUnitsResultLimitAnalyzedQualifiersLeadug/LND0.1011/16/20 12:22

LABORATORY CONTROL SAMPLE: 3792233

Spike LCS LCS % Rec Conc. Limits Parameter Units Result % Rec Qualifiers Lead 100 105 105 85-115 ug/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3797994 3797995

MS MSD

10538349021 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Result RPD Result Conc. Conc. % Rec % Rec Limits **RPD** Qual 20 Lead ug/L 0.43 100 100 102 104 102 103 70-130

MATRIX SPIKE SAMPLE: 3797996

Date: 11/16/2020 03:32 PM

MS MS 10538385003 Spike % Rec Parameter Units Result Conc. Result % Rec Limits Qualifiers ND Lead 107 107 70-130 ug/L 100

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.

(612)607-1700



QUALIFIERS

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

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.

Date: 11/16/2020 03:32 PM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20101 - Forest Lake LIW

Pace Project No.: 10538384

Date: 11/16/2020 03:32 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10538384001	01-TRANSPORTATION-KITCHEN- WC	EPA 200.8	709940		
10538384002	02-TRANSPORTATION-KITCHEN- SNK	EPA 200.8	709940		
10538384003	03-TRANSPORTATION-KITCHEN- BUNN	EPA 200.8	709940		
10538384004	04-TRANSPORTATION-HALL-WC	EPA 200.8	709940		
10538384005	05-TRANSPORTATION-HALL-BF	EPA 200.8	709940		
10538384006	06-TRANSPORTATION-HALL- RWC	EPA 200.8	709940		
10538384007	07-TRANSPORTATION-GARAGE- SNK	EPA 200.8	709940		

1AB I ISE ONI V. Affir Workorder (I offin 1 she) Here on 1 ist Dans Workstand 1 she and	10538384			** Preservative Types; Initric acid, Ry surranc acid; (2) inyanocinione acid; (4) sourium inyanoxiue; (3) cultra acetate; (6) noathanol (7) codiine this cultra thou the total to the total tot	A) ascorbic acto, (b) anninonium Sunate,	: :	Fresent/Intact Y N tures Present Y N nature Present Y Y	N N N	ptacle X N	ing rume Y in the reserved Y i	Sulinge Fregent U I N NA Lead Acetale Strips:	Lab Sample # / Comments:	1 400	7 00	7 000		مه خ	<u>ሳ</u> ፊክ	J No		Lab Sample Temperature info	2 z	Cooler 1 Temp Upon Receipt: oC Cooler 1 Therm Corr. Factor. oC Cooler 1 Corrected Temp: 16 · Oc	Comments:		Trip Blank Received: Y N NA HCL MeOH TSP Other	Non Conformance(s): Page:
Workorder () nain [Jakel Hox	MO#:10£		10538384	2) surrunc acia, (2) myarocmoric al	Unpreserved, (O) Other					J.B. C. G. H.											2 hours): Y N/A	0.	nt Courier Pace Courier	MTILLA	Table#: —Accthum	Template: Prelogin:	PM:
		STIP YELS	Container Preserval	eservative Types: (1) nitric acid	(C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other	Analyses															SHORT HOLDS PRESENT (<72 hours):	Lab Tracking #: 255	Samples received via: FEDEX UPS Client	Date/Time:	(0) cos/11/11	Date/Time:	Date/Time:
1000	- Complete all relevent fields		55378	FIGUD GONSUTANG (NE. CON	:SSe	y: Time Zone Collected: [] PT [] MT [] CT [] ET	Compliance Monitoring?	DW PWS ID #: DW Location Code:	Immediately Packed on Ice:	Field Filtered (if applicable):		Composite End Res # of C	Date Time						5		Wet 2 Blue Dry None		reened (<500 cpm): Y N NA	Received by/Company (Signature)	Son	Received by/Company: (Signature)	Received by/Company: (Signature)
CHAIN-OE-CLISTODY And Indicate Bosins	Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields	Billing Information:	SAVKOE MW	Email To:	Site Collection Info/Address:	State: County/City:	# ₀		Turnaround Date Required:	ush: [] Same Day	king Water (DW), Ground Water (G Air (AR), Tissue (TS), Bioassay (B),	Comp / Collected (or Grab Composite Start)	Date Time	3					ヘイン		Type of Ice Used:	Packing Material Used	Radchem sample(s) screened (<500 cpm):	Date/Time:	D liwan		Date/Time: R
SHAIN	Face Analytical* Chain	FNJIRONMENT	Address: 8612 Exert Casek Pro		Copy To:	Customer Project Name/Number: 20101 - 氏のおおて こかにぎ し	Phone: Site/Facility ID #: Email:	Collected By (print): Purchase Order #: りみんこう Pros と	Collected By (signature) Turnaround E	Sample Disposal: Rush: [] Dispose as appropriate [] Return [] Sc [] Archive: [] 2 Day [] Hold: () 6	* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Soild (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)	Customer Sample ID Matrix *	Ol-Thanspeatanen-Khous - ac	77	03-דם איציפת דארום אי צולמנה בשחו	of-Tanguetanen-HAIL WC	OS-Tarnspression - HALL - BF	or reasoneration - +141/Ruc	07-22ANSPIRITHEN-GARAGE-SAK		Cistomer Remarks / Snecial Conditions / Possible Hazards	_		Relinguished by/Company: (Signature)	Page CO C	Relinquished by/Company: (Signature) O Q	Refthquished by/Company: (Signature)

Pace Analytical*

hold, incorrect preservative, out of temp, incorrect containers).

Document Name:

Sample Condition Upon Receipt (SCUR) - MN

Document No.: ENV-FRM-MIN4-0150 Rev.01

Document Revised: 12Aug2020

Page 1 of 1

Pace Analytical Services - Minneapolis

Sample Condition **Client Name:** WO#:10538384 Project #: **Upon Receipt** field Environmental Consulting PM: JDD Due Date: 11/20/20 Courier: UPS □ USPS Client Fed Ex CLIENT: FIELD ENV Pace SpeeDee Commercial See Exceptions Tracking Number: ENV-FRM-MIN4-0142 No No Biological Tissue Frozen? ☐Yes ☐No ☒N/A Yes Seals Intact? Packing Material: Bubble Wrap Bubble Bags None Other: Temp Blank? ☐Yes ☒No ☐ T1(0461) ☐ T2(1336) ☐ T3(0459) Wet Thermometer: Type of Ice: **□**Blue None Melted T4(0254) T5(0489) Did Samples Originate in West Virginia? ☐Yes 🔀 No Were All Container Temps Taken? ☐ Yes □No IZIN/A Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 0C **Average Corrected** See Exceptions ENV-FRM-MIN4-0142 Temp (no temp blank 1 Container **Correction Factor:** Cooler Temp Corrected w/temp blank: °C only): <u>/6-/)</u> ºC Date/Initials of Person Examining Contents: MUZ USDA Regulated Soil: (N/A, water sample/Other: Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, Did samples originate from a foreign source (internationally, including ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? □No 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:** Y⊈Yes Chain of Custody Present and Filled Out? □No Yes Chain of Custody Relinquished? □No 2. Sampler Name and/or Signature on COC? Yes □No □N/A 3. Yes Samples Arrived within Hold Time? □No 4. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome Short Hold Time Analysis (<72 hr)? Yes ΣNο ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_ **Rush Turn Around Time Requested?** □Yes Νo 6. Sufficient Volume? Yes □No 7. **⊠**Yes Correct Containers Used? □No-8. □No -Pace Containers Used? Yes Yes □No Containers Intact? 9. Field Filtered Volume Received for Dissolved Tests? □No Is sediment visible in the dissolved container? Yes No Is sufficient information available to reconcile the samples 11. If no, write ID/ Date/Time on Container Below: See Exception ENV-FRM-MIN4-0142 to the COC? Yes □ Ņo Matrix: ₩Water Soil Oil Other All containers needing acid/base preservation have been Yes □No □N/A 12. Sample # checked? ■ NaOH All containers needing preservation are found to be in -☑ HNO₃ H₂SO₄ ☐Zinc Acetate **∀**ZYes □No □N/A compliance with EPA recommendation? (HNO₃, H₂SO₄, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide) Positive for Res. Yes See Exception Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, Yes □No **⊠**N/A ENV-FRM-MIN4-0142 Chlorine? No pH Paper Lot# DRO/8015 (water) and Dioxin/PFAS Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip 2214 Extra labels present on soil VOA or WIDRO containers? ☐ Yes □No ⊠N/A 13. See Exception Headspace in VOA Vials (greater than 6mm)? Yes □No Ø N/A ENV-FRM-MIN4-0140 Trip Blank Present? □No Yes 14. **⊠**N/A Yes Trip Blank Custody Seals Present? □No ☑N/A Pace Trip Blank Lot # (if purchased): CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No Person Contacted: Date/Time: Comments/Resolution: **Project Manager Review:** 11/9/20 Note: Whenever there is a discrepancy affecting North Carolina Communication Office (i.e. out of

Labeled by: MVZ (Page 1) of 12



Document Name:

Sample Condition Upon Receipt (SCUR) Exception Form

Document Revised: 04Jun2020 Page 1 of 1

Pace Analytical Services -Minneapolis

Page 12 of 12

Document No.: ENV-FRM-MIN4-0142 Rev.01

SCUR Exceptions:						Wol	rkora	er #:					
	Container	# of			PM No	otified? 🗌	Yes 🗍	No		s vetatrykse var. 1540 Mei 2000			
Out of Temp Sample IDs	Type	Containers			All Carry on the Same				in.				
			If yes, indicate who was contacted/date/time.										
					If no, ii	ndicate rea	ason w	hy.					
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<u></u>				7.7		7-8							
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4			Issu	e Type:			Con	tainer	4	#of			
Tracking Number/	Temperature				mple ID			/pe	Containers				
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	, ,								<u> </u>				
	pH Ad	justment	Log for	Preserv	ed Sam	ples							
	Туре о	pH of Upon	Date	Time	Amoun t Added	Lot#	pН	In Comp	diance				
Sample ID	Presen		Adjusted	Adjusted	(mL)	Added	After	after ad		Initials			
								Yes	□No				
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								∐Yes	□No				
Comments:							l	J		<u> </u>			
													
	# · · ·					· 							





November 24, 2020

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

RE: Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

Dear Amy Weinzierl:

Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

• Pace Analytical Services - Minneapolis

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

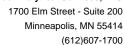
Sincerely,

Jared Dickinson jared.dickinson@pacelabs.com (612)607-1700 Project Manager

Enclosures

cc: Steve Field, Field Environmental Consulting General Mailbox, Field Environmental Consulting







CERTIFICATIONS

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

Pace Analytical Services - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air

Lab

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 Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-

053-137

Florida Certification #: E87605*
Georgia Certification #: 959
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 #: Al-03086*
Louisiana DW Certification #: MN00064

Maine Certification #: MN00064* Maryland Certification #: 322

Massachusetts DWP Certification #: via MN 027-053-137

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
Missouri Certification #: 10100
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 Primary 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*
Vermont Certification #: VT-027053137

Vermont Certification #: V1-02/053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

*Please Note: Applicable air certifications are denoted with

an asterisk (*).





SAMPLE SUMMARY

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10539262001	01-FLSC-1st N-WC	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262002	02-FLSC-1st N-WC	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262003	03-FLSC-1st N-BF	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262004	04-FLSC-1st S-WC	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262005	05-FLSC-1st S-WC	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262006	06-FLSC-1st S-BF	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262007	07-FLSC-Concessions-SNK	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262008	08-FLSC-2nd N-WC	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262009	09-FLSC-2nd N-WC	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262010	10-FLSC-Concessions-SNK	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262011	11-FLSC-2nd S-WC	Drinking Water	11/13/20 06:00	11/13/20 15:15
10539262012	12-FLSC-2nd S-WC	Drinking Water	11/13/20 06:00	11/13/20 15:15

(612)607-1700



SAMPLE ANALYTE COUNT

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10539262001	01-FLSC-1st N-WC	EPA 200.8	PW1	1
10539262002	02-FLSC-1st N-WC	EPA 200.8	PW1	1
10539262003	03-FLSC-1st N-BF	EPA 200.8	PW1	1
10539262004	04-FLSC-1st S-WC	EPA 200.8	PW1	1
10539262005	05-FLSC-1st S-WC	EPA 200.8	PW1	1
10539262006	06-FLSC-1st S-BF	EPA 200.8	PW1	1
10539262007	07-FLSC-Concessions-SNK	EPA 200.8	PW1	1
10539262008	08-FLSC-2nd N-WC	EPA 200.8	PW1	1
10539262009	09-FLSC-2nd N-WC	EPA 200.8	PW1	1
10539262010	10-FLSC-Concessions-SNK	EPA 200.8	PW1	1
10539262011	11-FLSC-2nd S-WC	EPA 200.8	PW1	1
10539262012	12-FLSC-2nd S-WC	EPA 200.8	PW1	1

PASI-M = Pace Analytical Services - Minneapolis





ANALYTICAL RESULTS

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

Date: 11/24/2020 11:18 AM

Sample: 01-FLSC-1st N-WC	Lab ID: 105	39262001	Collected: 11/13/	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Meth	nod: EPA 20	00.8					
	Pace Analytica	I Services -	- Minneapolis					
Lead	ND	ug/L	0.10	1		11/23/20 12:3	6 7439-92-1	
Sample: 02-FLSC-1st N-WC	Lab ID: 105	39262002	Collected: 11/13/	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Metl							
	Pace Analytica	I Services -	- Minneapolis					
Lead	ND	ug/L	0.10	1		11/23/20 12:3	8 7439-92-1	
Sample: 03-FLSC-1st N-BF	Lab ID: 105	39262003	Collected: 11/13/	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Meth							
Lead	ND	ug/L	0.10	1		11/23/20 12:4	1 7439-92-1	
Sample: 04-FLSC-1st S-WC	Lab ID: 105	39262004	Collected: 11/13/	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Meth Pace Analytica							
Lead	ND	ug/L	0.10	1		11/23/20 12:4	3 7439-92-1	
Sample: 05-FLSC-1st S-WC	Lab ID: 105	39262005	Collected: 11/13/	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Meth	nod: EPA 20						
	Pace Analytica	l Services -	- Minneapolis					

(612)607-1700



ANALYTICAL RESULTS

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

Date: 11/24/2020 11:18 AM

Sample: 06-FLSC-1st S-BF	Lab ID: 105	39262006	Collected:	11/13/2	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Met						'		
Lead	ND	ug/L		0.10	1		11/23/20 12:4	18 7439-92-1	
Sample: 07-FLSC-Concessions- SNK	Lab ID: 105	39262007	Collected:	11/13/2	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	y Water
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Met Pace Analytica								
Lead	2.5	ug/L		0.10	1		11/23/20 12:5	66 7439-92-1	
Sample: 08-FLSC-2nd N-WC	Lab ID: 105	39262008	Collected:	11/13/2	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Met Pace Analytica								
Lead	0.41	ug/L		0.10	1		11/23/20 12:5	59 7439-92-1	
Sample: 09-FLSC-2nd N-WC	Lab ID: 105	39262009	Collected:	11/13/2	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Met Pace Analytica								
Lead	0.61	ug/L		0.10	1		11/23/20 13:0)1 7439-92-1	
Sample: 10-FLSC-Concessions- SNK	Lab ID: 105	39262010	Collected:	11/13/2	20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Met								
Lead	1.5	ug/L		0.10	1		11/23/20 13:0	3 7439-92-1	



ANALYTICAL RESULTS

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

Date: 11/24/2020 11:18 AM

Sample: 11-FLSC-2nd S-WC	Lab ID: 10	539262011	Collected: 11/	3/20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	Water
Parameters	Results	Units	Report Lim	t DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Me	thod: EPA 20	00.8					
	Pace Analytic	al Services -	Minneapolis					
Lead	0.16	ug/L	0.	0 1		11/23/20 13:0	06 7439-92-1	
Sample: 12-FLSC-2nd S-WC	Lab ID: 10	539262012	Collected: 11/2	3/20 06:00	Received:	11/13/20 15:15	Matrix: Drinking	y Water
Parameters	Results	Units	Report Lim	t DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Me	thod: EPA 20	00.8					
	Pace Analytic	al Services -	Minneapolis					
Lead	0.20	ug/L	0.	0 1		11/23/20 13:0	08 7439-92-1	

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



QUALITY CONTROL DATA

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

QC Batch: 711181 Analysis Method:

QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, Drinking Water

Laboratory: Pace Analytical Services - Minneapolis

EPA 200.8

Associated Lab Samples: 10539262001, 10539262002, 10539262003, 10539262004, 10539262005, 10539262006, 10539262007,

10539262008, 10539262009, 10539262010, 10539262011, 10539262012

METHOD BLANK: 3798073 Matrix: Water

Associated Lab Samples: 10539262001, 10539262002, 10539262003, 10539262004, 10539262005, 10539262006, 10539262007,

10539262008, 10539262009, 10539262010, 10539262011, 10539262012

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L ND 0.10 11/23/20 12:10

LABORATORY CONTROL SAMPLE: 3798074

LCS LCS Spike % Rec % Rec Limits Qualifiers Parameter Units Conc. Result Lead ug/L 100 109 109 85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3804887 3804888

MS MSD

10539263001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual 20 9.5 100 100 114 118 104 108 70-130 3 ug/L

Lead ug/L 9.5 100 100 114 118 104 108 70-130 3 20

MATRIX SPIKE SAMPLE: 3804889

Date: 11/24/2020 11:18 AM

MS % Rec 10539262006 Spike MS Parameter Units Result Conc. Result % Rec Limits Qualifiers ND 104 104 70-130 Lead ug/L 100

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.

Minneapolis, MN 55414 (612)607-1700



QUALIFIERS

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

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.

Date: 11/24/2020 11:18 AM





QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20101- Forest Lake LIW

Pace Project No.: 10539262

Date: 11/24/2020 11:18 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10539262001	01-FLSC-1st N-WC	EPA 200.8	711181		
10539262002	02-FLSC-1st N-WC	EPA 200.8	711181		
10539262003	03-FLSC-1st N-BF	EPA 200.8	711181		
10539262004	04-FLSC-1st S-WC	EPA 200.8	711181		
10539262005	05-FLSC-1st S-WC	EPA 200.8	711181		
10539262006	06-FLSC-1st S-BF	EPA 200.8	711181		
10539262007	07-FLSC-Concessions-SNK	EPA 200.8	711181		
10539262008	08-FLSC-2nd N-WC	EPA 200.8	711181		
10539262009	09-FLSC-2nd N-WC	EPA 200.8	711181		
10539262010	10-FLSC-Concessions-SNK	EPA 200.8	711181		
10539262011	11-FLSC-2nd S-WC	EPA 200.8	711181		
10539262012	12-FLSC-2nd S-WC	EPA 200.8	711181		

CHAIN-OF-CUSTODY / Analytical Request Document

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

Face Analytical

Pace Project No./ Lab I.D. GROUND WATER DRINKING WATER Samples Intact (Y/N) 00 623 12/2 2265989 \mathcal{B} SAMPLE CONDITIONS F-ALL-C-010-rev.00, 09Nov2017 T OTHER (N/A) MO#:10539262 Sealed Coole Custody 2 Ice (Y/N) Received on Pesic 80, O° ni qm∍T Page: Ž Š REGULATORY AGENCY RCRA Requested Analysis Filtered (Y/N) 51:51 TIME 1053926 Site Location STATE: NPDES 52/E17m 2/2 DATE UST DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION 8.002 QY37 t daalysis Test t N / Other Methanol 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. Preservatives Na₂S₂O₃ 53 NaOH HCI Invoice Information: Company Name: Pace Quote
Reference:
Pace Project
Manager:
Pace Profile #: OS^zH # 3.20pm Section C Attention: Unpreserved TIME Address: # OF CONTAINERS SAMPLER NAME AND SIGNATURE SIGNATURE of SAMPLER: PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 13/2 11/13/20 (6,00)sm TIME 3 COMPOSITE END/GRAB DATE COLLECTED Project Number: 20101- FOLSST LAKE 17,0 RELINQUISHED BY / AFFILIATION TIME COMPOSITE CARAGO Pass DATE Section B Required Project Information: 3 (G=GRAB C=COMP) SAMPLE-TYPE Report To: Army Purchase Order No. -5) (see valid codes to left) MATRIX CODE <u>ح</u> Project Name: ORIGINAL Copy To: P A A A R E P Matrix Codes
MATRIX / CODE SUR Drinking Water Water Waste Water Yeaste Water Soil/Solid Oil Wipe Mir Tissue Other Co-Sut Ars CONCESSIONS - SNE Email To. (box () Field Co. 5, (Haylac.com **3** address: S612 saget clerk army . პ 95 17 3 レろ・2 5-5 ショ こ ر کر 3.5 へる FLX - CONCUSIONS ADDITIONAL COMMENTS Meny: (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE 2 > SAMPLE ID 1 05- FLSC - 153 31 - 7574 -ho 02- FLSC - 15 Section D Required Client Information Section A Required Client Information: Requested Due Date/TAT: 03- FLSC-1 FLSC-67 - F.SC -08 - FLX -06- FUSC-01- FLSC. ž 下いろ 90 3 Page 11 of 14 9 # MaTI 7

Pace Analytical®

Document Name:

Sample Condition Upon Receipt (SCUR) - MN

Document No.: ENV-FRM-MIN4-0150 Rev.01 Document Revised: 12Aug2020

Page 1 of 1

Pace Analytical Services -Minneapolis

6 1 6 13		
Sample Condition	Client	Name
Upon Receipt		_

Project #:

Frio E.	nvironme	nTa				WO#	10:	539262	2
Courier:	UPS [SpeeDee [USPS Commer	cial	Client	ons 🗆	PM: JD		Due Date: 1	
Tracking Number:	WOLVE			ee Exceptio NV-FRM-MI					
Custody Seal on Cooler/Box Preser	_	JNo	Se	als Intact	t? 🔲 Ye	s No	Biological	Tissue Frozen?	Yes No No
Packing Material: Bubble Wra	p 🔲 Bubble B	3ags _⊑	None	□Oth	her:			Temp Blank?	□Yes चि N o
Thermometer:	2(1336) □T3(0459 5(0489)))	Type of	lce:	Wet	□Blue , £	None 🗆	Dry Melted	
Did Samples Originate in West Virgi	nia? □Yes ☑No	We	re All Co	ontainer 1	Temps Tal	k en? □ Yes [□No ÆN/A		
Temp should be above freezing to 6°C	Cooler Temp Re	-	·				Tem	rage Corrected	
	ler Temp Correct	ed w/tem	p blank	<u>. </u>		•••	ºC only		1 Container
USDA Regulated Soil: (N/A, water Did samples originate in a quarantine z		ted States) : AL_ΔP	CA. FI G/		nitials of Pers		g Contents: in source (internation	10///3 - 20
ID, LA. MS, NC, NM, NY, OK, OR, SC, TN,	, TX or VA (check m	naps)?	Yes	□No	Hawa	aii and Puerto R	lico)?	☐Yes ☐ No	
If Yes to either q	uestion, fill out a	Regulated	d Soil Ch	ecklist (F	F-MN-Q-33	38) and includ		/COC paperwork.	
							CON	MENTS:	
Chain of Custody Present and Filled Out	?	√es	□No		1.				
Chain of Custody Relinquished?	2	Yes	□No		2.				
Sampler Name and/or Signature on COC Samples Arrived within Hold Time?	·ī	□Yes □Yes	□No □No	□N/A	3. 4.				
Short Hold Time Analysis (<72 hr)?		Yes ☐Yes			5. □Fe			oliform/E coli BOD/ Orthophos Other_	/cBOD Hex Chrome
Rush Turn Around Time Requested?		□Yes	. <u>D</u> 160		6.	uityittlia	munice	- ranobuos Floruet	
Sufficient Volume?		√es	□No		7.				
Correct Containers Used?		√ Yes	□No		8.				
-Pace Containers Used?		Yes	□No			·.			
Containers Intact?	LI= : =	Yes	∐No		9.				
Field Filtered Volume Received for Dissol		Yes	No	N/A					Yes No
Is sufficient information available to reco	onclie the samples	Yes	∏ai-		11. If no,	write ID/ Date/	rime on Contai	ner Below:	See Exception L
Matrix: ☐ Water ☐ Soil ☐ Oil ☐ Other_		res	1/10		1				
All containers needing acid/base preserv	ation have been	Yes	По	□n/a	12. Samp	nle#	1-10.1	1	
checked?		162	140	∟,ч/А	Janiq		1-12:1	<u>-</u>	
All containers needing preservation are f	ound to be in	Yes	□No	□n/a	· [NaOH	HNO ₃	∏H₂SO₄	☐Zinc Acetate
compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, N	a0H>40 0:	-							-
(····•Os, ··∠sO4, \∠pπ, ·NaOn >9 Sulfide, N	aon>10 Cyanide)			,	Pocitive 4	for Res. Yes	2		Son Eventer
Exceptions: VOA, Coliform, TOC/DOC Oil	and Grease,	□Yes	□No	⊠N/A	Chlorine			per Lot#	See Exception L. ENV-FRM-MIN4-0142
DRO/8015 (water) and Dioxin/PFAS	•				Res. Chlo	rine 0-6	Roll	0-6 Strip	0-14 Strip
Evtra labela prosent an arthur the	0	<u> </u>				2	21419		<u> </u>
Extra labels present on soil VOA or WIDR Headspace in VOA Vials (greater than 6m		☐Yes ☐Yes	□ No	N/A N/A	13.				See Exception
Trip Blank Present?		Yes ☐Yes	∐No □No	₩N/A ₩N/A	14.				ENV-FRM-MIN4-0140
Trip Blank Custody Seals Present?		Yes	□No	DN/A	1	e Trip Blank Lo	ot # (if purchas	ied):	
ALIEN ALE				1					

CLIENT NOTIFICATION/RESOLUTION Person Contacted:

Comments/Resolution:

Date/Time:

Field Data Required? Yes No

Project Manager Review:

Date:

11/16/20

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).

Labeled by: _____TMC R

Page 12 of 14



Document Name:

Sample Condition Upon Receipt (SCUR) Exception Form

Document Revised: 04Jun2020 Page 1 of 1

Page 1 of 1
Pace Analytical Services -

Document No.: ENV-FRM-MIN4-0142 Rev.01

Minneapolis

SCUR Exceptions:				Workorder #:						
Out of Temp Sample IDs	Container	# of Containers						d/date/ti	ime.	
						oler Projec yes, fill out info				
					9 ,5,5,1,5,1,5,1,5				Priminatič	
			Re	ead Temp	Cor	No Temp I rected Ten		Ave	rage Te	mp
			· · · · /	41		redica ren		7.170	rage Te	2
				3.9						
- All States			1 /	7.0						
				7 · (
· · · · · · · · · · · · · · · · · · ·			Issu	e Type:			Cont	tainer	#	of
Tracking Number/	Temperature			Sai	mple ID		1	/pe	Cont	ainers
- Au-			_							
<u> </u>										
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74.W	<u>, </u>		┨ ├──			<u> </u>				
******]							
		•	_	D						
1/4	ph Aa	justment	Log tor	Preserv	ed Sam	ipies		1		I
Sample ID	Type o		Date Adjusted	Time Adjusted	Amoun t Added (mL)	Lot # Added	pH After	In Comp		Initials
- Complete	110001	W Receipt	riajastea	, riajusceu	(/	71000	7 11 101	☐Yes		, , , , , , , , , , , , , , , , , , ,
								Yes	ΠNo	
								Yes	∐No	
								Yes	□No	
Comments:					<u> </u>	<u> </u>				
								· · · · · · · · · · · · · · · · · · ·	· ii	



Office: 337-237-7123 P.O. Box 2003 Lafayette, LA 70502

Fax: 337-237-8712 2202 I-49 N. Service Rd. Opelousas, La. 70570

CERTIFICATE OF ANALYSIS

This "Certificate of Analysis" represents a precleaned product that has been prepared in accordance with Performance-Based specifications. This product meets or exceeds analyte specifications established in the U. S. EPA OSWER Directive 9240.0-05A "Specification and Guidance for Contaminant-free Sample Containers" for use in Superfund and other Hazardous waste programs.

Group 2 Containers for Inorganics

<u>Analyte</u>	RL ug/L	<u>Analyte</u>	RL ug/L	<u>Analyte</u>	RL ug/L
Aluminum	20 U	Copper	1 U	Potassium	100 U
Antimony	0.5 U	lron .	50 U	Selenium	0.5 U
Arsenic	0.5 U	Lead	0.1 U	Silicon	50 U
Barium	0.3 U	Lithium	0.5 U	Silver	0.5 U
Beryllium	0.2 U	Magnesium	10 U	Sodium	50 U
Bismuth	0.5 U	Manganese	0.5 U	Strontium	0.5 U
Boron	10 U	Mercury	0.2 U	Thallium	0.1 U
Cadmium	0.08 U	Molybdenum	0.5 U	Tin	0.5 U
Calcium	40 U	Nickel	0.5 U	Titanium	1 U
Chromium	0.5 U	Palladium	0.5 U	Vanadium	1 U
Cobalt	0.5 U	Platinum	0.5 U	Zinc	5 U

<u>Analyte</u>	RL mg/L	<u>Analyte</u>	RL mg/L	<u>Analyte</u>	RL mg/L
Alkalinity	5.0 U	Chloride	0.5 U	Cyanide	0.02 U
Fluoride	0.1 U	Sulfide	0.05 U	Sulfate	0.5 U

NOTES:

a. Reporting Limit (RL) = The lowest concentration standard analyzed which can be verified.

b. U = The analyte was analyzed for but not detected above the Reporting Limit.

This "Certificate of Analysis" is provided for your records and is used to facilitate any required correspondences as needed.

Each container contains: 2.5 mL Nitric Acid (<20%)

Barcoded: Yes

Stirbars: No

Tared Weight: No

Part Number: LPV008220602P01

Date Product Prepared: 10/16/2020

Item Description: 250cc Natural Oblong Leakproof WM w/

101220-2EIZ Lot Number:

45PP Cap

Chemical Lot No.: 1119120

Protocol: A

Chemical Expiry Date: 1/7/2022

Same Breams

Level: 1

Group: 2 (applies)

Product processed at: 2202 I-49 N. Service Rd. Opelousas LA 70570 USA

A Protocol Plastic PACE Revision 030320-07sf

Page 14 of 14

Chief Executive Officer