



December 01, 2023

Kenneth McLamb
Town of Stem
100 Franklin St
Stem, NC 27581

RE: Project: QUARTERLY 11/17/23
Pace Project No.: 92699301

Dear Kenneth McLamb:

Enclosed are the analytical results for sample(s) received by the laboratory on November 17, 2023. The results relate only to the samples included in this report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

- Pace Analytical Services - Ormond Beach

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

Sincerely,

A handwritten signature in black ink that reads "Terri Page".

Terri Page
terri.page@pacelabs.com
336-904-4231
Project Manager

Enclosures

cc: Kenneth McLamb, Town Of Stem

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: QUARTERLY 11/17/23

Pace Project No.: 92699301

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

DoD-ANAB #: ADE-3199

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE ANALYTE COUNT

Project: QUARTERLY 11/17/23

Pace Project No.: 92699301

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92699301001	FH #25	EPA 200.8	EAP	1	PASI-O
92699301002	FH #66	EPA 200.8	EAP	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: QUARTERLY 11/17/23

Pace Project No.: 92699301

Sample: FH #25		Lab ID: 92699301001	Collected: 11/17/23 09:45	Received: 11/17/23 12:00	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 Pace Analytical Services - Ormond Beach						
Manganese	0.092	mg/L	0.0020	1		11/27/23 18:07	7439-96-5	

Sample: FH #66		Lab ID: 92699301002	Collected: 11/17/23 10:15	Received: 11/17/23 12:00	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 Pace Analytical Services - Ormond Beach						
Manganese	0.15	mg/L	0.0020	1		11/27/23 18:11	7439-96-5	

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QUALITY CONTROL DATA

Project: QUARTERLY 11/17/23

Pace Project No.: 92699301

QC Batch: 968552	Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8	Analysis Description: 200.8 MET No Prep Drinking Water
	Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 92699301001, 92699301002

METHOD BLANK: 5327507 Matrix: Water

Associated Lab Samples: 92699301001, 92699301002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Manganese	mg/L	ND	0.0020	11/27/23 17:53	

LABORATORY CONTROL SAMPLE: 5327508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	mg/L	0.05	0.051	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5327503 5327504

Parameter	Units	30639807001 Result	5327503		5327504		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
			MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Manganese	mg/L	0.0073	0.05	0.05	0.063	0.064	111	113	70-130	2	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5327505 5327506

Parameter	Units	92699322001 Result	5327505		5327506		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
			MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Manganese	mg/L	0.0074	0.05	0.05	0.065	0.064	115	113	70-130	2	

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.

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QUALIFIERS

Project: QUARTERLY 11/17/23

Pace Project No.: 92699301

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: QUARTERLY 11/17/23

Pace Project No.: 92699301

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92699301001	FH #25	EPA 200.8	968552		
92699301002	FH #66	EPA 200.8	968552		

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Price[®] Location Requested (City/State):
 Price Analytical Raleigh
 4015 Waters Edge Drive, Suite 125
 Raleigh, NC 27606

CHAIN-OF-CUSTODY Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: **TOWN OF SRM**
 Street Address: **100 Franklin St, null**
 Stern, NC 27581

Contact/Report To: **McLamb Kenneth**
 Phone #: **919-724-3334**
 E-Mail: **kenneth.mclamb@srsm.nc.gov**
 Cc E-Mail:

Customer Project #: **QUARTERLY**
 Invoice To:
 Invoice E-Mail:

Site Collection Info/Facility ID (as applicable): **STEM/NC**
conting Hill
 Purchase Order # (if applicable):
 Quote #:

Time Zone Collected: AK PT MT CT ET
 County / State origin of sample(s): **North Carolina**

Data Deliverables:
 Level II Level III Level IV
 EOUS Other
 Other

Regulatory Program (DW, RCRA, etc.) as applicable:
 Rush (Pre-approval required):
 2 Day 3 day 5 day Other
 Date Results Requested:
 Field Filled (if applicable): Yes No
 Analysis:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (O), Surface Water (SW), Sediment (SD), Sludge (SL), Cask

Customer Sample ID	Mark *	Comp / Grab	Collected (or Composite Start) Date	Time	Composite End Date	Time	Res. QZ	Number & Type of Containers: Plastic, Glass	HA	Metals	THM
EH#25		DW	09/22/2023	09:45			1	6	3	1	3
EH#66		DW	09/22/2023	10:15			1	6	3	1	3
Try Blank THM		WT	09/22/2023	08:30			0	2			2

Customer Sample ID	Mark *	Comp / Grab	Collected (or Composite Start) Date	Time	Composite End Date	Time	Res. QZ	Number & Type of Containers: Plastic, Glass	HA	Metals	THM
EH#25 OH=											
7.035u @ 16.9°C 25uS											
PH=6.75u @ 17.9°C 25uS											
EH#66 OH=											
7.035u @ 16.9°C 25uS											
PH=6.75u @ 17.9°C 25uS											



MO# : 92699301
 92699301

Specify Container Size **
 6 3 6
 Identify Container Preservative Type ***
 1 2 8
 Analysis Requested

Lab Use Only
 Profile / Template: **9185**
 Profile / Sample Order ID: **943975**
 Sample Comment

Customer Remarks / Special Conditions / Possible Hazards: **EH= PIR Hydrants**
Time= 3 hours total mileage= 70 miles total
 Prepared by/Company (Signature): **WILLIAM BENTON**
 Date/Time: **11/10/23 11:30**
 Received by/Company (Signature): **WILLIAM BENTON**
 Date/Time: **11-17-23 11:00**
 Additional Instructions from Pace:
 # EOD: **9185**
 # Temp: **3.90 3.9 3.9**
 Trading Partner:
 Delivered by: 1st Person Courier
 FedEx UPS Other



DC#_ Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Town of Stem

Project #:

Empty box for Project #

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 11-17-23 QR

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

917005

Type of Ice:

Wet Blue None

Cooler Temp:

3.9

Correction Factor:

3.9

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C)

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

