

October 31, 2016

David Crisafulli
Oswego CSD
225 West Utica St
Oswego, NY 12126

RE: Project: Oswego CSD M.S. Storage Bldg
Pace Project No.: 10367161

Dear David Crisafulli:

Enclosed are the analytical results for sample(s) received by the laboratory on October 21, 2016. 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.

Samples, in the electronic data deliverable (EDD) that accompanied this report, were flagged yellow if they exceeded the NYSDOH 15 ppb action level.

The space designated for the sampler on the chain of custody (COC) indicates if these samples were collected by Pace Analytical or were collected by the school district and just relinquished to Pace Analytical.

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

Sincerely,



Amanda Albrecht
amanda.albrecht@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: Oswego CSD M.S. Storage Bldg

Pace Project No.: 10367161

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification UST-107

525 N 8th Street, Salina, KS 67401

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: Oswego CSD M.S. Storage Bldg

Pace Project No.: 10367161

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10367161001	Boys Bathroom Sink	Water	10/14/16 00:01	10/21/16 09:45
10367161002	Girls Bathroom Sink - North	Water	10/14/16 00:03	10/21/16 09:45
10367161003	Girls Bathroom Sink - South	Water	10/14/16 00:02	10/21/16 09:45

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SAMPLE ANALYTE COUNT

Project: Oswego CSD M.S. Storage Bldg

Pace Project No.: 10367161

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10367161001	Boys Bathroom Sink	EPA 200.8	RJS	1	PASI-M
10367161002	Girls Bathroom Sink - North	EPA 200.8	RJS	1	PASI-M
10367161003	Girls Bathroom Sink - South	EPA 200.8	RJS	1	PASI-M

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ANALYTICAL RESULTS

Project: Oswego CSD M.S. Storage Bldg

Pace Project No.: 10367161

Sample: Boys Bathroom Sink		Lab ID: 10367161001	Collected: 10/14/16 00:01	Received: 10/21/16 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS, DW Analytical Method: EPA 200.8

Lead	7.9	ug/L	0.10	1		10/31/16 00:40	7439-92-1	
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Sample: Girls Bathroom Sink - North		Lab ID: 10367161002	Collected: 10/14/16 00:03	Received: 10/21/16 09:45	Matrix: 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		10/31/16 00:43	7439-92-1	
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Sample: Girls Bathroom Sink - South		Lab ID: 10367161003	Collected: 10/14/16 00:02	Received: 10/21/16 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS, DW Analytical Method: EPA 200.8

Lead	1.3	ug/L	0.10	1		10/31/16 00:46	7439-92-1	
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QUALITY CONTROL DATA

Project: Oswego CSD M.S. Storage Bldg

Pace Project No.: 10367161

QC Batch: 442745

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: ICPMS Metals, Drinking Water

Associated Lab Samples: 10367161001, 10367161002, 10367161003

METHOD BLANK: 2413072

Matrix: Water

Associated Lab Samples: 10367161001, 10367161002, 10367161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.10	10/30/16 23:22	

LABORATORY CONTROL SAMPLE: 2413073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	100	101	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2422547 2422548

Parameter	Units	7553686001 Result	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Lead	ug/L	ND	100	100	99.1	100	99	100	70-130	1	20			

MATRIX SPIKE SAMPLE: 2422549

Parameter	Units	10367163005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L		2.6	100	103	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.

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QUALIFIERS

Project: Oswego CSD M.S. Storage Bldg

Pace Project No.: 10367161

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.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Oswego CSD M.S. Storage Bldg

Pace Project No.: 10367161

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10367161001	Boys Bathroom Sink	EPA 200.8	442745		
10367161002	Girls Bathroom Sink - North	EPA 200.8	442745		
10367161003	Girls Bathroom Sink - South	EPA 200.8	442745		

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1036761

CHAIN-OF-CUSTODY / Analytical Request Document

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



Page: 1 of 1

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____

SITE LOCATION

GA IL IN MI NC
 OH SC WI OTHER_NY _____

Filtered (Y/N) Requested Analyte

Preservatives: H₂SO₄, HNO₃, HCl, NaOH, Na₂SO₃, Methanol, Na₂SO₄

Pace Project No. Lab I.D.
 001
 002
 003

Section A
 Required Client Information:
 Company: Oswego CSD
 Address: 224 West Seneca St
 Oswego, NY 13126
 Email To: dcrisafu@oswego.org
 Phone: _____ Fax: _____

Section B
 Required Project Information:
 Report To: _____
 Copy To: _____
 Purchase Order No.: _____
 Project Name: M.S. Storage Bldg
 Project Number: _____

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

Section D
 Required Client Information
 Valid Matrix Codes
 MATRIX CODE: DW, WT, WW, SL, OL, SP, AR, OT, TS
 SAMPLE ID (A-Z, 0-9 / . ?)
 Sample IDs MUST BE UNIQUE

ITEM #	MATRIX CODE	SAMPLE TYPE	COLLECTED		# OF CONTAINERS	UNPRESERVED	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
			COMPOSITE START	COMPOSITE END/GRAB						
1	DW	G	10/14	00:01	1		James Murphy	10/14/16	9:45	Y/N
2	DW	G	10:03		1					Y/N
3	DW	G	10:02		1					Y/N
4					1					Y/N
5					1					Y/N
6					1					Y/N
7					1					Y/N
8					1					Y/N
9					1					Y/N
10					1					Y/N
11					1					Y/N
12					1					Y/N

RECEIVED ON _____
 Temp in °C _____
 Custody Sealed _____
 Cooler _____
 Samples Intact _____

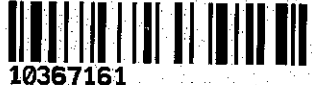
ADDITIONAL COMMENTS
 James Murphy
 10/14/16

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: James Murphy - PACE Analytical
 SIGNATURE of SAMPLER: *James Murphy*
 DATE Signed (MM/DD/YY): 10/14/16

Sample Condition Upon Receipt

Client Name: Kace NY Project #: _____

WO#: 10367161



10367161

Courier: Fed Ex UPS USPS Client
 Commercial Pace SpeedDee Other: _____
 Tracking Number: 7752207530

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: 151401163 151401164 B88A912167504 B88A0143310098
 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temp Read (°C): 18.3 Cooler Temp Corrected (°C): 18.5 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: WT 10/21/16

USDA Regulated Soil N/A, water sample)
 Did samples originate in a quarantine zone within the United States: AL, AR, AZ, 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-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	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>	
All containers needing acid/base preservation have been checked? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
All containers needing preservation are found to be in compliance with EPA recommendation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sample # <u>1-3</u>
(HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Field Data Required? Yes No

Project Manager Review: Amanda J. Albrecht

Date: 10/24/16

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).