

October 31, 2016

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

RE: Project: Oswego CSD Transportation Bldg

Pace Project No.: 10367163

### 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 J albrecht

Amanda Albrecht @pacelabs.com Project Manager

Enclosures







#### **CERTIFICATIONS**

Project: Oswego CSD Transportation Bldg

Pace Project No.: 10367163

#### **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

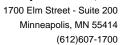
North Dakota Certification #: R-036

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



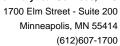


# **SAMPLE SUMMARY**

Project: Oswego CSD Transportation Bldg

Pace Project No.: 10367163

Lab ID	Sample ID	Matrix	Date Collected	Date Received	
10367163001	Boys Bathroom Sink - West	Water	10/14/16 00:08	10/21/16 09:45	
10367163002	Girls Bathroom Sink - West	Water	10/14/16 00:07	10/21/16 09:45	
10367163003	Girls Bathroom Sink - East	Water	10/14/16 00:08	10/21/16 09:45	
10367163004	Boys Bathroom Sink - East	Water	10/14/16 00:09	10/21/16 09:45	
10367163005	Hand Sink in Shop	Water	10/14/16 00:10	10/21/16 09:45	





# **SAMPLE ANALYTE COUNT**

Project: Oswego CSD Transportation Bldg

Pace Project No.: 10367163

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10367163001	Boys Bathroom Sink - West	EPA 200.8	RJS	1	PASI-M
10367163002	Girls Bathroom Sink - West	EPA 200.8	RJS	1	PASI-M
10367163003	Girls Bathroom Sink - East	EPA 200.8	RJS	1	PASI-M
10367163004	Boys Bathroom Sink - East	EPA 200.8	RJS	1	PASI-M
10367163005	Hand Sink in Shop	EPA 200.8	RJS	1	PASI-M



# **ANALYTICAL RESULTS**

Project: Oswego CSD Transportation Bldg

Pace Project No.: 10367163

Date: 10/31/2016 03:13 PM

Sample: Boys Bathroom Sink -	Lab ID: 1	10367163001	Collected:	10/14/	16 00:08	Pacaivad:	10/21/16 09:45	Matrix: Water	
West	Lab ID.	10307 103001	Collected.	10/14/	10 00.00	Neceiveu.	10/21/10 09.43	iviatrix. vvater	
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical N	Method: EPA 20	00.8						
Lead	6.2	ug/L		0.10	1		10/31/16 00:4	19 7439-92-1	
Sample: Girls Bathroom Sink - West	Lab ID: 1	10367163002	Collected:	10/14/	16 00:07	Received:	10/21/16 09:45	Matrix: Water	
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical M	/lethod: EPA 20	00.8						
Lead	0.71	ug/L		0.10	1		10/31/16 00:5	52 7439-92-1	
Sample: Girls Bathroom Sink - East	Lab ID: 1	10367163003	Collected:	10/14/	16 00:08	Received:	10/21/16 09:45	Matrix: Water	
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical M	/lethod: EPA 20	00.8						
Lead	4.7	ug/L		0.10	1		10/31/16 00:5	55 7439-92-1	
Sample: Boys Bathroom Sink - East	Lab ID: 1	10367163004	Collected:	10/14/	16 00:09	Received:	10/21/16 09:45	Matrix: Water	
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical N	Method: EPA 20	8.00						
Lead	19.7	ug/L		0.10	1		10/31/16 00:5	58 7439-92-1	
Sample: Hand Sink in Shop	Lab ID: 1	10367163005	Collected:	10/14/	16 00:10	Received:	10/21/16 09:45	Matrix: Water	
Parameters	Results	Units	Report	t Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical M	/lethod: EPA 20	00.8						
Lead	2.6	ug/L		0.10	1		10/31/16 01:0	01 7439-92-1	

(612)607-1700



#### **QUALITY CONTROL DATA**

Project: Oswego CSD Transportation Bldg

Pace Project No.: 10367163

MATRIX SPIKE SAMPLE:

Date: 10/31/2016 03:13 PM

QC Batch: 442745 Analysis Method: EPA 200.8

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

Associated Lab Samples: 10367163001, 10367163002, 10367163003, 10367163004, 10367163005

METHOD BLANK: 2413072 Matrix: Water

Associated Lab Samples: 10367163001, 10367163002, 10367163003, 10367163004, 10367163005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L ND 0.10 10/30/16 23:22

LABORATORY CONTROL SAMPLE: 2413073

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2422547 2422548

2422549

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

MS 10367163005 Spike MS % Rec % Rec Parameter Units Result Conc. Result Limits Qualifiers 2.6 103 70-130 Lead ug/L 100 100

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: Oswego CSD Transportation Bldg

Pace Project No.: 10367163

#### **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.

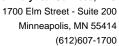
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

#### **LABORATORIES**

Date: 10/31/2016 03:13 PM

PASI-M Pace Analytical Services - Minneapolis





# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Oswego CSD Transportation Bldg

Pace Project No.: 10367163

Date: 10/31/2016 03:13 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10367163001	Boys Bathroom Sink - West	EPA 200.8	442745		
10367163002	Girls Bathroom Sink - West	EPA 200.8	442745		
10367163003	Girls Bathroom Sink - East	EPA 200.8	442745		
10367163004	Boys Bathroom Sink - East	EPA 200.8	442745		
10367163005	Hand Sink in Shop	EPA 200.8	442745		

# CHAIN-OF-CUSTODY / Analytical Request Document

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

10367163 Section C Section B Pace Analytical" Section A

Doguisod Clear Information	Dogwierd Droject Information:				<u></u>		Ī
Company: Oswego CSD	Report To:	Attention:			YOMEON VECTA INDEED	2012	
Address: 224 West Seneca St	Copy To:	Company Name:		☐ NPDES ☐ GR	🗐 GROUND WATER 📝 DRIN	V DRINKING WATER	
Oswego,NY 13126		Address:		☐ UST ☐ RCRA	RA □ OTHER	a a	
	Purchase Order No.:	Pace Quote Reference:		SITE	L GA L IL	IN I MI I NC	్ల
Phone: Fax:	Project Name: Transportation Bldg	Pace Project Manager:		LOCATION	DS L HO L	SC   WI   OTHER NY	¥
Requested Due Date/TAT:	Project Number:	Pace Profile #:		Filtered (Y/N)		//////	
D Valid Matrix Codes MATRIX MATRIX	al a		Preservatives	Requested ///			
WIND THE MENT OF T	MATRIX CODE  SAMPLE TYPE  SAMPLE TYPE  SAMPONIA  START  ST	COULECTION SAMPLE TEMP COLLECTION COLLECTION	ę	Ans SQ4		NAS ENIONO ENIA	Project No.
	DATE TIME	DATE TIME	NS∑E HCI HNC HNC	ZBN			Labi.D.
Boys BATH 2000 Jann - LIEST	DM G	10/mg   50:00   1	1	×		8	
GEZIS BATHACKM SENK- LIEST	1	1 50:00	1	×		08	_1
	25	80:04	-	×		823	
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O	<del>3</del> 5	-3	-	×			
10		-		×			
		-	-	×			
12		-	-	×		· .	
ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME ACCEPTED	ACCEPTED BY / AFFILIATION	DATE TIME	SAMPLE CONDITIONS	TIONS
	1M h, h mice	Julosla	11:00 PM	-Vece	1946   94p	@   \$54)	<u>8</u>
	0/					N/A	N/A
?						N/Y N/Y	N/A
						N/A	N/A
-	SAMPI	SAMPLER NAME AND SIGNATURE	₹E			no be	Intact
	PRINT	- 1	James Murphy - PACE Analytical			emp in generation eceive loo stoots	
	SIGNA	SIGNATURE of SAMPLER:	while	DATE Signed (MM / DD / YY):	10 14 16	Н	Sai

e-File(ALL0020rev.4,29Mar06)22Jun2005

# Pace Analytical\*

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

# Document Name:

# **Sample Condition Upon Receipt Form**

Document No.:

Page 1 of 2

Issuing Authority:

Document Revised: 02Aug2016

F-MN-L-213-rev.17

Pace Minnesota Quality Office

Sample Condition Upon Receipt			Project	#:
Jan NY				
Courier: Fed Ex UPS	USPS		lient	
Commercial Pace SpeeDee	Other:_			10367163
Tracking Number: 777672077574	$\bar{\sigma}$			
Custody Seal on Cooler/Box Present? Yes No	, <u>s</u>	Seals Int	act? 👍	Yes No Optional: Proj. Due Date: Proj. Name:
Packing Material: Bubble Wrap Bubble Bags	None	· 🗆	Other:	Temp Blank?YesNo
Thermometer	IVDE	of Ice:	□We	t 🔲 Blue 🖟 None 🔲 Samples on ice, cooling process has begun
Cooler Temp Read (°C): Cooler Temp Cor		: K:	5	Biological Tissue Frozen? ☐ Yes ☐ No [] N/A
Temp should be above freezing to 6°C Correction Fact	or:	<u>. T</u>		e and Initials of Person Examining Contents: # 10/2////
USDA Regulated Soil ( N/A, water sample)	.0			
Did samples originate in a quarantine zone within the United S MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)?	States: AL, A	R, AZ, CA	FL, GA, □Yes	ID, LA. Did samples originate from a foreign source (internationally, No including Hawaii and Puerto Rico)?
	ulated Soil	Checklis		Q-338) and include with SCUR/COC paperwork.
				COMMENTS:
Chain of Custody Present?	Yes	□No	□N/A	1.
Chain of Custody Filled Out?	<b>2</b> ₹Yes	□No	□N/A	2.
Chain of Custody Relinquished?	Yes	□No	□N/A	3.
Sampler Name and/or Signature on COC?	Yes	□No	□N/A	4.
Samples Arrived within Hold Time?	Yes	□No	□N/A	5.
Short Hold Time Analysis (<72 hr)?	□Yes	Mo	□N/A	6.
Rush Turn Around Time Requested?	☐Yes	Mo	□N/A	7.
Sufficient Volume?	¥es	□No	□N/A	8.
Correct Containers Used?	¶ <b>Y</b> es	□ No	□N/A	9.
-Pace Containers Used?	. <b>₹</b> TŶes	□No	□N/A	
Containers Intact?	Yes	□No	□N/A	10.
Filtered Volume Received for Dissolved Tests?	☐Yes	□No	□ N/A	Note if sediment is visible in the dissolved container
Sample Labels Match COC?	⊈Yes	□No	□N/A	12.
	31163		٠٠٠٠	<b>12.</b>
-Includes Date/Time/ID/Analysis Matrix:  All containers needing acid/base preservation have been				
checked?	Jes  √Yes	□No	□N/A	13. ☐HNO₃ / ☐H₂SO₄ ☐NaOH ☐HCI
All containers needing preservation are found to be in compliance with EPA recommendation?	4			Sample # 1-5
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	Yes	□No	□n/a	
Exceptions: VOA, Coliform, TOC, Oil and Grease,	,	_		Initial when Lot # of added
DRO/8015 (water) DOC	Yes	□No	- <b>A</b> d⊓v/A	completed: preservative:
Headspace in VOA Vials ( >6mm)?	☐Yes	□No	. <b>Z</b> dN/A	14.
Trip Blank Present? Trip Blank Custody Seals Present?	☐Yes ☐Vor	□No		15.
Pace Trip Blank Lot # (if purchased):	Yes	∏No	<b>⊉</b> N/A	
	<del></del>			Field Date Demised D. The Day
CLIENT NOTIFICATION/RESOLUTION  Person Contacted:				Field Data Required? Yes No
t				Date/Time:
Comments/Resolution:				<u> </u>
	() ()	1	_	- 40/04/40
Project Manager Review:		mples, a		Date: 10/24/16 is form will be sent to the North Carolina DEHNR Certification Office (i.e. out of t

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