Pace Analytical Services, LLC
1700 Elm Street SE
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6388
www.pacelabs.com

August 2, 2021

Andy Nesset
Twin Cities German Immersion School
1031 Como Avenue
St. Paul, MN 55103

RE: Twin Cities German Immersion School - St. Paul, MN
Pace Field P/N: 21-04830 and Pace Lab P/N: 10570182
July 2021 Copper and Lead Monitoring

Dear Mr. Nesset,

Please find enclosed results for our recent monitoring event for the Twin Cities German Immersion School, Pace Field P/N: 21-04830 and Pace Lab P/N: 10570182 conducted on July 16, 2021. The following documents are included with this submittal:

1. Cover Letter
2. Lab Report
3. Field Data Sheets

Procedure: Samples were collected as a first draw sample into a 250 mL nitric acid preserved container, as per EPA collection methodology.

Analytical Notes: The National Primary Drinking Water Standard limit for copper is 1300 ppb. The National Primary Drinking Water Standard limit for lead is 15 ppb. No locations exceeded the limit for copper. One location exceeded the action limit for lead: DW-2 Como CAF at 17.4 ppb. One location had a detection for lead that did not exceed the action limit: DW-1 Teachers Lounge at 0.23 ppb.

Thank you for the opportunity to serve the Twin Cities German Immersion School. If you have any questions regarding this report, please contact me at your convenience.

Respectfully,

Chris Pelosi
Project Manager
612-597-7254

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

August 02, 2021

Chris Pelosi
Pace Analytical Services - Field Services
1700 Elm Street SE
Minneapolis, MN 55414

RE: Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

Dear Chris Pelosi:

Enclosed are the analytical results for sample(s) received by the laboratory on July 16, 2021. 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

This report was revised on August 2, 2021, to list units as ppb.

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

Sincerely,

Jennifer Anderson
jennifer.anderson@pacelabs.com
(612)607-6436
Project Manager

Enclosures

cc: Riley Jacobson, Pace Analytical Services - Field Services

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
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 Tribal Water Systems+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 #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 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 (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
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
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 (*).

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SAMPLE SUMMARY

Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10570182001	**DW-1 Vanslyke**	Drinking Water	07/16/21 06:05	07/16/21 08:32
10570182002	**DW-1 Teachers Lounge**	Drinking Water	07/16/21 06:08	07/16/21 08:32
10570182003	**DW-2 Vanslyke**	Drinking Water	07/16/21 06:11	07/16/21 08:32
10570182004	**DW-3 Vanslyke**	Drinking Water	07/16/21 06:14	07/16/21 08:32
10570182005	**DW-1 Como**	Drinking Water	07/16/21 06:19	07/16/21 08:32
10570182006	**DW-1 Como Gym**	Drinking Water	07/16/21 06:21	07/16/21 08:32
10570182007	**DW-2 Como**	Drinking Water	07/16/21 06:24	07/16/21 08:32
10570182008	**DW-2 Como CAF.**	Drinking Water	07/16/21 06:27	07/16/21 08:32
10570182009	**DW-3 Como**	Drinking Water	07/16/21 06:30	07/16/21 08:32

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10570182001	**DW-1 Vanslyke**	EPA 200.8	PW1	2
10570182002	**DW-1 Teachers Lounge**	EPA 200.8	PW1	2
10570182003	**DW-2 Vanslyke**	EPA 200.8	PW1	2
10570182004	**DW-3 Vanslyke**	EPA 200.8	PW1	2
10570182005	**DW-1 Como**	EPA 200.8	PW1	2
10570182006	**DW-1 Como Gym**	EPA 200.8	PW1	2
10570182007	**DW-2 Como**	EPA 200.8	PW1	2
10570182008	**DW-2 Como CAF.**	EPA 200.8	PW1	2
10570182009	**DW-3 Como**	EPA 200.8	PW1	2

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

Sample: DW-1 Vanslyke **Lab ID: 10570182001** Collected: 07/16/21 06:05 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**125**	ppb	1.0	1		07/28/21 21:10	7440-50-8	
Lead	ND	ppb	0.10	1		07/28/21 21:10	7439-92-1	

Sample: DW-1 Teachers Lounge **Lab ID: 10570182002** Collected: 07/16/21 06:08 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**74.3**	ppb	1.0	1		07/28/21 21:18	7440-50-8	
Lead	**0.23**	ppb	0.10	1		07/28/21 21:18	7439-92-1	

Sample: DW-2 Vanslyke **Lab ID: 10570182003** Collected: 07/16/21 06:11 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**9.1**	ppb	1.0	1		07/28/21 21:25	7440-50-8	
Lead	ND	ppb	0.10	1		07/28/21 21:25	7439-92-1	

Sample: DW-3 Vanslyke **Lab ID: 10570182004** Collected: 07/16/21 06:14 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**9.6**	ppb	1.0	1		07/28/21 21:27	7440-50-8	
Lead	ND	ppb	0.10	1		07/28/21 21:27	7439-92-1	

Sample: DW-1 Como **Lab ID: 10570182005** Collected: 07/16/21 06:19 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**77.5**	ppb	1.0	1		07/28/21 21:30	7440-50-8	
Lead	ND	ppb	0.10	1		07/28/21 21:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

Sample: DW-1 Como Gym **Lab ID: 10570182006** Collected: 07/16/21 06:21 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**227**	ppb	1.0	1		07/28/21 21:32	7440-50-8	
Lead	ND	ppb	0.10	1		07/28/21 21:32	7439-92-1	

Sample: DW-2 Como **Lab ID: 10570182007** Collected: 07/16/21 06:24 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**80.8**	ppb	1.0	1		07/28/21 21:34	7440-50-8	
Lead	ND	ppb	0.10	1		07/28/21 21:34	7439-92-1	

Sample: DW-2 Como CAF. **Lab ID: 10570182008** Collected: 07/16/21 06:27 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**181**	ppb	1.0	1		07/28/21 21:37	7440-50-8	
Lead	**17.4**	ppb	0.10	1		07/28/21 21:37	7439-92-1	

Sample: DW-3 Como **Lab ID: 10570182009** Collected: 07/16/21 06:30 Received: 07/16/21 08:32 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**144**	ppb	1.0	1		07/28/21 21:39	7440-50-8	
Lead	ND	ppb	0.10	1		07/28/21 21:39	7439-92-1	

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QUALITY CONTROL DATA

Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

QC Batch: 757118
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: ICPMS Metals, Drinking Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10570182001, 10570182002, 10570182003, 10570182004, 10570182005, 10570182006, 10570182007, 10570182008, 10570182009

METHOD BLANK: 4037298 Matrix: Water
Associated Lab Samples: 10570182001, 10570182002, 10570182003, 10570182004, 10570182005, 10570182006, 10570182007, 10570182008, 10570182009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ppb	ND	1.0	07/28/21 21:06	
Lead	ppb	ND	0.10	07/28/21 21:06	

LABORATORY CONTROL SAMPLE: 4050764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ppb	100	103	103	85-115	
Lead	ppb	100	105	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4050766 4050767

Parameter	Units	10570182001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ppb	125	100	100	240	238	115	113	70-130	1	20	
Lead	ppb	ND	100	100	123	119	123	119	70-130	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 21-04830 TCGIS-2021 DW Sample-Revised Report
Pace Project No.: 10570182

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10570182001	**DW-1 Vanslyke**	EPA 200.8	757118		
10570182002	**DW-1 Teachers Lounge**	EPA 200.8	757118		
10570182003	**DW-2 Vanslyke**	EPA 200.8	757118		
10570182004	**DW-3 Vanslyke**	EPA 200.8	757118		
10570182005	**DW-1 Como**	EPA 200.8	757118		
10570182006	**DW-1 Como Gym**	EPA 200.8	757118		
10570182007	**DW-2 Como**	EPA 200.8	757118		
10570182008	**DW-2 Como CAF.**	EPA 200.8	757118		
10570182009	**DW-3 Como**	EPA 200.8	757118		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:

Company:	TCGIS
Address:	c/o Pace Analytical
	Field Services
Email To:	Chris Pelosi
Phone: (612) 597-7254	Fax:
Requested Due Date/TAT:	STD

Section B Required Project Information:

Report To:	Chris Pelosi
Copy To:	Riley Jacobson
Purchase Order No.:	
Project Number	21-04830
Project Name:	TCGIS - 2021 DW Sample

Section C Invoice Information:

Attention:	Ciara Ruikkie
Company Name:	Pace Field Services Division
Address:	1700 Elm Street, Ste. 200 Minneapolis, MN 55414
Pace Quote Reference:	
Pace Project Manager:	Jennifer Anderson
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER MCES

SITE LOCATION: NC ☑ MN ☐ IL ☐ IN ☐ MI ☐ OH ☐ SC ☐ WI ☐ OTHER

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
	WP
	AR
	OT
	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: Pb & Cu (EPA 200.8)	Residual Chlorine (Y/N)	Pace Project No. Lab I.D.
1	DW - 1 Vanslyke	DW		-	-	7/16/21	605		1			1						x		001
2	DW - 1 Teachers Lounge	DW		-	-	7/16/21	608		1			1						x		002
3	DW - 2 Vanslyke	DW		-	-	7/16/21	611		1			1						x		003
4	DW - 3 Vanslyke	DW		-	-	7/16/21	614		1			1						x		004
5	DW - 1 COMO	DW		-	-	7/16/21	619		1			1						x		005
6	DW - 1 COMO GYM	DW		-	-	7/16/21	621		1			1						x		006
7	DW - 2 COMO	DW		-	-	7/16/21	624		1			1						x		007
8	DW - 2 COMO CAF.	DW		-	-	7/16/21	627		1			1						x		008
9	DW - 3 COMO	DW		-	-	7/16/21	630		1			1						x		009
10	~~DW~~	DW		-	-				1			1						x		
11					RCJ 7/16/21															
12																				

Additional Comments:

* Please Report in PPB.

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Riley Jacobson Pace	7/16/21	830	Ciara Pace	7/16/21	0832

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Riley Jacobson

SIGNATURE of SAMPLER: Riley Jacobson DATE Signed (MM / DD / YY): 7/16/21

WO#: 10570182

10570182

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e-File(ALLQ020rev.3,31Mar05))22Jun2005

Pace Analytical	Document Name: Sample Condition Upon Receipt (SCUR) - MN	Document Revised: 14Apr2021 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0150 Rev.02	Pace Analytical Services - Minneapolis

Sample Condition Upon Receipt

Client Name: TC.GIS **Project #:**

WO#: 10570182

PM: JMA Due Date: 07/30/21

CLIENT: PASI-MNFLD

Courier: ☐Fed Ex ☐UPS ☐USPS ☒Client ☐Pace ☐SpeeDee ☐Commercial

Tracking Number: _____ See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☐Yes ☒No **Seals Intact?** ☐Yes ☒No **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Packing Material: ☐Bubble Wrap ☐Bubble Bags ☒None ☐Other:_____ **Temp Blank?** ☐Yes ☒No

Thermometer: ☐T1(0461) ☐T2(1336) ☐T3(0459) ☐OS418-LS ☐T4(0254) ☒T5(0489) ☐160285052 **Type of Ice:** ☒Wet ☐Blue ☐None ☐Dry ☐Melted

Did Samples Originate in West Virginia? ☐Yes ☒No **Were All Container Temps Taken?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:**_____ °C **Average Corrected Temp (no temp blank only):** 19.5 °C ☒See Exceptions ENV-FRM-MIN4-0142 ☐1 Container

Correction Factor: True **Cooler Temp Corrected w/temp blank:**_____ °C

USDA Regulated Soil: (☒N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** CJS 7/16/21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☐No

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

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☒Yes	☐No		1.
Chain of Custody Relinquished?	☒Yes	☐No		2.
Sampler Name and/or Signature on COC?	☒Yes	☐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 ☐Nitrite ☐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? ☐Yes ☐No
Is sufficient information available to reconcile the samples to the COC?	☒Yes	☐No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐ ENV-FRM-MIN4-0142
Matrix: ☒Water ☐Soil ☐Oil ☐Other_____				
All containers needing acid/base preservation have been checked?	☒Yes	☐No	☐N/A	12. Sample # 061-009
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☒Yes	☐No	☐N/A	☐NaOH ☒HNO3 ☐H2SO4 ☐Zinc Acetate 4/1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes	☐No	☒N/A	Positive for Res. Chlorine? ☐Yes ☐No **pH Paper Lot#** **See Exception** ☐ ENV-FRM-MIN4-0142
				Res. Chlorine: 0-6 Roll 221419; 0-6 Strip; 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐Yes	☐No	☒N/A	13. **See Exception** ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐Yes	☐No	☒N/A	
Trip Blank Present?	☐Yes	☐No	☒N/A	14.
Trip Blank Custody Seals Present?	☐Yes	☐No	☒N/A	Pace Trip Blank Lot # (if purchased):_____

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

Person Contacted:_____ Date/Time:_____

Comments/Resolution:_____

Project Manager Review: _____ **Date:** 07/19/2021

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:_____

SCUR Exceptions:

Workorder #: 10570182

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

If yes, indicate who was contacted/date/time.
If no, indicate reason why.

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank

Read Temp	Corrected Temp	Average Temp
19.1	19.1	19.5
19.6	19.6	
20.2	20.2	
19.1	19.1	

Tracking Number/Temperature	

Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	

Comments:

Pace Analytical® Field Services Division

Water Grab Sampling Field Data Log Sheet

General Information

Client Name: TCGIS | Pace Project No.: 21-04830

Facility Location: St. Paul | Project Name: TCGIS - 2021 DW

On-Site Contact: Andy Nesset | Date(s): 7/16/21

Monitoring Point: x10 DW Samples | Technician(s): RCS

Meters

☐ pH Meter (ID): RCS 7/16/21 | ☐ Chlorine Meter (ID):

☐ Multi-Parameter Meter (ID): | ☐ Other (description/ID):

(see meter calibration archives for calibration results)

Sampling Equipment

☒ Not Applicable *(collected directly into sample bottle)*

☐ Transfer Container (circle type): *Glass / Plastic / Stainless*

☐ Bailer (circle type): *Stainless / Disposable*

☐ Trowel/Scoop ☐ Shovel / Post-Hole Digger

☐ Pump and Tubing (circle tubing type): *Tygon / Teflon / Other:*

☐ Other Device(s):

☐ COLIWASA (circle type): *Plastic / Glass*

☐ Pole Sampler

☐ Dredge

☐ Sediment Core Sampler ☐ Hand Soil Auger

pH

pH Measurement					Continuing Calibration Verification (CCV)						
					Standard Info						
Analyst	pH Result (s.u.)	Temp (°C)	Date (m/d)	Time	Value	Mfg. / Lot No.	Exp.	Meter Value (s.u.)	Temp (°C)	Date (m/d)	Time
						RCS 7/16/21					

(see meter calibration archives for calibration results)

CCV: Pass / Fail — *CCV acceptable if ± 0.1 s.u. of buffer value*

Sample Collection Notes

Monitoring Point	Time	Results / Observations / Sample Characteristics
DW 1 Vanslyke	605	Drinking fountain (DF) Collected first flush sample
DW 1 (Copy) Teachers Lounge	608	Kitchen Sink - Collected first flush sample
DW 2 Vanslyke	611	DF - Collected first flush sample
DW 3 Vanslyke	614	DF - "
DW 1 COMO	619	DF - "
DW 1 COMO GYM	0621	DF - "
DW 2 COMO	624	DF - "

Attach additional notes if necessary

Samples chilled immediately after collection: ☒ Yes ☐ Other

Lead Technician Signature: Riley Jr

Date: 7/16/21

Pace Analytical® Field Services Division

Water Grab Sampling Field Data Log Sheet

(monitoring point)

General Information

Client Name: TCGIS
Pace Project No.: 21-04830
Facility Location: St. Paul
Project Name: TCGIS - 2021 DW
On-Site Contact: Andy Nesset
Date(s): 7/16/21
Monitoring Point: ~~X10~~ 9 DW Samples (Res 7/16/21)
Technician(s): RDS

Meters

☐ pH Meter (ID): ____ ☐ Chlorine Meter (ID): ____
☐ Multi-Parameter Meter (ID): ____ (RDS 7/16/21) ☐ Other (description/ID): ____
(see meter calibration archives for calibration results)

Sampling Equipment

☒ Not Applicable *(collected directly into sample bottle)*
☐ COLIWASA (circle type): *Plastic / Glass*
☐ Transfer Container (circle type): *Glass / Plastic / Stainless*
☐ Pole Sampler
☐ Bailer (circle type): *Stainless / Disposable*
☐ Dredge
☐ Trowel/Scoop ☐ Shovel / Post-Hole Digger ☐ Sediment Core Sampler ☐ Hand Soil Auger
☐ Pump and Tubing (circle tubing type): *Tygon / Teflon / Other:* ____
☐ Other Device(s): ____

pH

pH Measurement					Continuing Calibration Verification (CCV)						
					Standard Info						
Analyst	pH Result (s.u.)	Temp (°C)	Date (m/d)	Time	Value	Mfg. / Lot No.	Exp.	Meter Value (s.u.)	Temp (°C)	Date (m/d)	Time
						RDS 7/16/21					

(see meter calibration archives for calibration results)
CCV: Pass / Fail
CCV acceptable if ± 0.1 s.u. of buffer value

Sample Collection Notes

Monitoring Point	Time	Results / Observations / Sample Characteristics
DW 2 COMO CAF	627	Kitchen Sink - Collected first flush Sample
DW3 COMO	630	DF - collected first flush Sample
		* Andy Requested "PPB" in Report (Res 7/16/21) added note to COC - RDS 7/16/21
		RDS 7/16/21

Attach additional notes if necessary.

Samples chilled immediately after collection: ☒ Yes ☐ Other ____

Lead Technician Signature: [signature] Date: 7/16/21

Form Revised 11/20/2020