

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

August 9, 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: 10572971 August 2021 Lead Resample

Dear Mr. Nesset,

Please find enclosed results for our recent resampling event for the Twin Cities German Immersion School, Pace Field P/N: and Pace Lab P/N: 21-04830 10572971 conducted on August 4, 2021. This resampling event was conducted to confirm lead results from the first sampling event conducted and to determine possible other lead contaminated on July 16. 2021 drinking water sources on the same water line. 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 lead is 15 ppb. No locations exceeded the action limit for lead, however, lead was detected in all four samples collected. The highest lead detection was in sample "DW-2 COMO CAF" with results of 4.9 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 09, 2021

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

RE: Project: TCGIS- 2021 DW Resample Pace Project No.: 10572971

Dear Chris Pelosi:

Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 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

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

Sincerely,

Andera

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

Enclosures

cc: Riley Jacobson, Pace Analytical Services - Field Services





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

CERTIFICATIONS

Project: TCGIS- 2021 DW Resample Pace Project No.: 10572971

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 (*).



SAMPLE SUMMARY

TCGIS- 2021 DW Resample Project:

Pace Project No.: 10572971

10010	2021	Resall

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10572971001	DW-2 COMO CAF	Drinking Water	08/04/21 06:08	08/04/21 12:15
10572971002	DW-2 COMO CAF MID	Drinking Water	08/04/21 06:11	08/04/21 12:15
10572971003	DW-2 COMO CAF EAST	Drinking Water	08/04/21 06:13	08/04/21 12:15
10572971004	DW-3 COMO BATHROOM	Drinking Water	08/04/21 06:18	08/04/21 12:15



SAMPLE ANALYTE COUNT

Project: TCGIS-2021 DW Resample Pace Project No.: 10572971

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10572971001	DW-2 COMO CAF	EPA 200.8	PW1	1
10572971002	DW-2 COMO CAF MID	EPA 200.8	PW1	1
10572971003	DW-2 COMO CAF EAST	EPA 200.8	PW1	1
10572971004	DW-3 COMO BATHROOM	EPA 200.8	PW1	1

PASI-M = Pace Analytical Services - Minneapolis



ANALYTICAL RESULTS

Project: TCGIS- 2021 DW Resample

Sample: DW-2 COMO CAF	Lab ID:	10572971001	Collected:	08/04/22	06:08	Received:	08/04/21 12:15	Matrix: Drinking	Water	
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS, DW	Analytical	Method: EPA 20	0.8							
	Pace Anal	ytical Services -	Minneapolis							
Lead	4.9	9 ppb		0.10	1		08/05/21 17:0)5 7439-92-1		
Sample: DW-2 COMO CAF MID	Lab ID:	10572971002	Collected:	08/04/2	06:11	Received:	08/04/21 12:15	Matrix: Drinking	Water	
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS, DW	Analytical	Method: EPA 20	0.8							
	Pace Anal	ytical Services -	Minneapolis							
Lead	0.13	3 ppb		0.10	1		08/05/21 17:0	08 7439-92-1		
Sample: DW-2 COMO CAF EAST	Lab ID:	10572971003	Collected:	08/04/2	06:13	Received:	08/04/21 12:15	Matrix: Drinking	Water	
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS, DW	Analytical Method: EPA 200.8									
	Pace Anal	ytical Services -	Minneapolis							
Lead	1.0	D ppb		0.10	1		08/05/21 17:1	10 7439-92-1		
Sample: DW-3 COMO BATHROOM	Lab ID:	10572971004	Collected:	08/04/22	06:18	Received:	08/04/21 12:15	Matrix: Drinking	Water	
Parameters	Results	Units	Repor	t Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS, DW		Method: EPA 20 ytical Services -								



QUALITY CONTROL DATA

Project:	TCGIS- 2021 DV	/ Resample										
Pace Project No.:	10572971											
QC Batch:	761271			sis Methoo		EPA 200.8						
QC Batch Method:	EPA 200.8		Analy	/sis Descrip	otion:	ICPMS Meta	als, Drinkin	g Water				
			Labo	ratory:		Pace Analyt	ical Service	es - Minnea	apolis			
Associated Lab Sam	ples: 1057297	1001, 10572971002	2, 1057297	1003, 1057	72971004							
METHOD BLANK:	4058759			Matrix: Wa	ater							
Associated Lab Sam	ples: 1057297	1001, 10572971002	2, 1057297	1003, 1057	72971004							
			Blar		Reporting							
Param	neter	Units	Res		Limit	Analy	zed	Qualifiers	5			
Lead		ppb		ND	0.1	10 08/06/2	1 11:10					
LABORATORY CON		4060341	Spike	LC	-	LCS	% R					
Param	neter	Units	Conc.	Res	sult	% Rec	Limi	ts (Qualifiers			
Lead		ppb	10	00	111	11 ⁻	1 8	35-115				
MATRIX SPIKE & M	ATRIX SPIKE DU	PLICATE: 40603	-		406034	4						
			MS	MSD								
		10572566001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Unit	s Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Lead	ppl	5 1.3 ug/L	100	100	117	118	115	117	70-130	1	20	
MATRIX SPIKE SAM	/IPLE:	4060345										
			10571	219002	Spike	MS		MS	% Rec	;		
Param	neter	Units	Re	sult	Conc.	Result	%	Rec	Limits		Qualif	iers
Lead		ppb		0.28 ug/L	100		111	111	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.



QUALIFIERS

Project: TCGIS- 2021 DW Resample

Pace Project No.: 10572971

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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:	TCGIS- 2021 DW Resample
Pace Project No .:	10572971

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10572971001	DW-2 COMO CAF	EPA 200.8	761271		
10572971002	DW-2 COMO CAF MID	EPA 200.8	761271		
10572971003	DW-2 COMO CAF EAST	EPA 200.8	761271		
10572971004	DW-3 COMO BATHROOM	EPA 200.8	761271		

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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.

Contine A										
Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:					Page:	of I
Company: TCGIS	S	Report To: Chris Pelosi	elosi	Attention:	Ciara Ruikkie					
Address: c/o Pace Analytical	-	Copy To: Riley Jacobson	bson	Company Name: Pace Fie	Pace Field Services Division				11 り イ	
Field Services	vices			Address: 1700 Elm Sti	1700 Elm Street. Ste. 200 Minneapolis MN	MN 55414	: L		,	
Email To: Chris Pelosi	losi	Purchase Order No.:		Pace Quote Reference:				WN 1		
Phone: (612) 597-7254 Fax:		Project Number		Pace Project Manager:	Jennifer Anderson			_ L		_
Requested Due Date/TAT:	STD	Project Name: TCGIS	- 2021 D\	DW Resample Pace Profile #	#		-			OTHER
Section D Required Clien SAMPLE ID One Character per box	mation	Valid Matrix Codes MAJTRIX OPROPATION OPROPATION WATER WATER WATER MARTE	C=COWb TE LABE X CODE	COLLECTED	CTION 2710N	Preservatives	Requested			
(A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE			19MA2	COMPOSITE START COMPOSITE END/GRAB	SAMPLE	thanol 2S ₂ O ₃ HO	19L		idual Chiloning	Pace Project A
	DW-2 COMO CAF		MQ	- Klul)	гн	PH BN BN CH				Lab I.D.
2	DW- Z COMO CAF	CAF MUD	MO				×		100	
e	DW- 2 COMO CAP	CAF EAST	MO				× ,			
4	DM-3 COMO	BATHROOM	MO		·		× >			
2				1			<		100	
9							_, ₹			
7							#:105/29	116		
8			/	Riv						
6				8/11/2						
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11										
12										
Additional Comments:		RELINQU	RELINQUISHED BY / AF	/ AFFILIATION DATE	TIME ACCEPTED BY / AFFILIATION	/ AFFILIATION	DATE TIME	SAMPL	SAMPLE CONDITIONS	lions
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									+	N/A
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Page 9 c				SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: 2. (24, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25	D SIGNATURE Diley Tacobscu			⊃° ni qr	ived on stody d Cooler	les Intact
of 10		·		SIGNATURE of SAMPLER:	Pulling M	DATE Signed (MM / DD / YY)	VU/12 (WIDD	nəT	°O	

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Sample Co Upon Ro				Project	#:	M	0#	:10	5729	71	
Courier:	Fed Ex UPS Pace SpeeDee	USPS Commerc	ial -	Client			: JMA IENT:	PASI-I	Due Date 1NFLD	: 08/18	3/21
Tracking I	Number:			e Exceptio IV-FRM-MII							
Custody S	Seal on Cooler/Box Present? Yes	No	Sea	als Intacti	? 🗌 Ye	es 🗹No	Bio	logical Ti	ssue Frozen?[Yes	No 🕅N/A
Packing N	Aaterial: Bubble Wrap Bubble F	Bags 🎽	None	Oth	er:			т	emp Blank?	X Yes	No
Thermom	eter: T1(0461) T2(1336) T3(0459	9)OS418- 160285		Type of Ice:	Wet	Blue	None		ry Melted		
Did Sample	es Originate in West Virginia? 🗌 Yes 🗙 No	Wer	re All Co	ntainer 1	Temps Ta	aken? □Yes	□No	X N/A			
Temp should	be above freezing to 6°C Cooler Temp Re Factor: <u>+0.1</u> Cooler Temp Correct				<u>1.6</u> 1.7		⁰C		age Corrected (no temp blan : °C	k ENV-FR	Exceptions M-MIN4-0142 ntainer
USDA Regu	Jated Soil: (KN/A, water sample/Other:		.)		Date/	Initials of P	erson Ex		Contents:	MUZ	8-4-2
Did sample:	s originate in a quarantine zone within the Un NC, NM, NY, OK, OR, SC, TN, TX or VA (check r If Yes to either question, fill out a	nited States: maps)? [Yes	No	A, Did Hav	samples origi vaii and Puert	inate from :o Rico)?	a foreign	source (internati]YesNo		uding
						· · · ·		COMM	/IENTS:		
	tody Present and Filled Out?	Yes Yes	No		1.						
	tody Relinquished? ne and/or Signature on COC?	Yes Yes	No No	∏n/A	2. 3.						
	ived within Hold Time?	Yes			4.						
Short Hold T	'ime Analysis (<72 hr)?	Yes	∑ n₀						form/E coli 🔲 BOI rthophos 🗌 Othei		lex Chrome
	round Time Requested?	Yes	X No		6.						
Sufficient Vo	olume?	Yes	No		7.						
	tainers Used?	Yes	□No □No		8.						
Containers I		Yes	No		9.						
Field Filtered	Volume Received for Dissolved Tests?	Yes	No	MN/A	10. l	s sediment v	isible in tl	he dissolv	ed container?]Yes 🗌 N	lo
to the COC?	information available to reconcile the samples	s Yes	□No		11. If n	o, write ID/ D	ate/Time o	on Contain	er Below:		Exception [] RM-MIN4-0142
	/ater Soil Oil Other				40.0						
All container checked?	rs needing acid/base preservation have been	Yes	□No	□n/a	12. Sar	nple #					
compliance	rs needing preservation are found to be in with EPA recommendation? 14, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide))	□No	□n/a		🗌 NaOH	⊠: /- Y	HNO3	∐H₂SO₄	Zinc	Acetate
Exceptions:	VOA, Coliform, TOC/DOC Oil and Grease, water) and Dioxin/PFAS	, ☐Yes	□No	₩ N/A	Positive Chlorin Res. Ch	ie?	Yes No 0-6 Roll	рН Рар	per Lot# 0-6 Strip	ENV-FR	Exception M-MIN4-0142 Strip
					1103. 01	ionine i	2214	19	00000		5419
-	present on soil VOA or WIDRO containers? n VOA Vials (greater than 6mm)?	Yes Yes	□No □No	N/A N/A	13.						Exception 🗌
Trip Blank Pr Trip Blank Cu	esent? ustody Seals Present?	Yes Yes	∏No ∏No	N/A N/A	14. P	ace Trip Blar	nk Lot # (if	fpurchase	ed):		
CI	LIENT NOTIFICATION/RESOLUTION]Yes 🔲 N	lo
Person Cont Comments/		rt unit as	s ppb.		Date,	/Time:					
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Note: Whene	ver there is a discrepancy affecting No th Carolin t preservative, out of temp, incorrect containers		ce sample	es, a copy	of this for	Date: m will be sen	O8/ t to the No	/06/2 orth Carol	021 ina DEHNR Certifi	cation Offic	ce (i.e out of
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Pace Analytical[®] Field Services Division

Water Grab Sampling Field Data Log Sheet

Page 1 of ((monitoring point)

General Information	Client Name <u>TC615</u> Facility Location <u>St. Pau</u> On-Site Contact <u>Andy</u>				Project Na		15-2021	O DW RES	AMPLE	
Gen	Monitoring Point x4 -	Resamp	le Even	.+	Technicia	n(s)	203			
Meters	pH Meter (ID): Multi-Parameter Meter (P. 8		(descripti				
Sampling Equipment	Not Applicable (collected Transfer Container (circle Bailer (circle type): Stain Trowel/Scoop Sh Pump and Tubing (circle Other Device(s):	le type): G nless / Disj ovel / Post	Blass / Pla boosable t-Hole Dig	astic / Si Iger	Sediment	Pole Sa Dredge Core Sar	mpler	e type): P	Hastic / Gl	
Hd	pH Measurer Analyst pH Result (s.u.) Temp (°C) (°C) (°C) (see meter calibration archives for	Date (m/d)	Time	Value CCV:	Continuing Standard Info Mfg. / Lot No. Ros 8/4/21 Pass / Fail	Exp.	Meter Value (s.u.)	t 0.1 s.u. of buffe	Date (m/d)	Time
Sample Collection Notes	Monitoring Point DUJ-2 COMO CAF DUJ-2 COMO CAF MID DUJ-2 COMO CAF EAST DUJ-3 COMO BATHROOM	Time 0608 0611 0613 0618	Sampl	ed m	Results / Observa Le from 1 st ev iddle sink in the sink on throam Sink sample Collection Russ 8/4/2	ilitelu Exst s on 312	(Resemp en * ide of	kitenen *		
	Samples chilled immediately after	collection:	7	Y	es Other					<u> </u>

Lead Technician Signature: Form Revised 11/20/2020

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Date: 8/4/21