



Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

January 13, 2022

Pat McGuinness
RK Occupational & Environmental Analysis, Inc
401 St. James Ave
Phillipsburg, NJ 08865

RE: Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

Dear Pat McGuinness:

Enclosed are the analytical results for sample(s) received by the laboratory on January 06, 2022. 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 - Melville

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

Sincerely,

Lea Sherman for
Catherine M. Gierbolini
catherine.gierbolini@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT

Pace Project No.: 70200060

Sample: RK-121721-01		Lab ID: 70200060001	Collected: 12/17/21 07:32	Received: 01/06/22 10:20	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 - Melville						
Lead	<1.0	ug/L	1.0	1		01/10/22 14:35	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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Date: 01/13/2022 06:11 PM

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

Sample: RK-121721-02		Lab ID: 70200060002	Collected: 12/17/21 07:34	Received: 01/06/22 10:20	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 - Melville						
Lead	1.1	ug/L	1.0	1		01/10/22 14:37	7439-92-1	

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

Sample: RK-121721-03		Lab ID: 70200060003	Collected: 12/17/21 07:35	Received: 01/06/22 10:20	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 - Melville						
Lead	5.0	ug/L	1.0	1		01/10/22 14:38	7439-92-1	

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT

Pace Project No.: 70200060

Sample: RK-121721-04		Lab ID: 70200060004	Collected: 12/17/21 07:42		Received: 01/06/22 10:20		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 - Melville						
Lead	<1.0	ug/L	1.0	1		01/10/22 14:42	7439-92-1	

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT

Pace Project No.: 70200060

Sample: RK-121721-05		Lab ID: 70200060005	Collected: 12/17/21 07:44	Received: 01/06/22 10:20	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 - Melville						
Lead	6.9	ug/L	1.0	1		01/10/22 14:46	7439-92-1	

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT

Pace Project No.: 70200060

Sample: RK-121721-06		Lab ID: 70200060006	Collected: 12/17/21 07:48	Received: 01/06/22 10:20	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 - Melville						
Lead	<1.0	ug/L	1.0	1		01/10/22 14:52	7439-92-1	

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT

Pace Project No.: 70200060

Sample: RK-121721-07		Lab ID: 70200060007		Collected: 12/17/21 08:16		Received: 01/06/22 10:20		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 - Melville							
Lead	3.5	ug/L	1.0	1		01/10/22 14:53	7439-92-1		

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT

Pace Project No.: 70200060

Sample: RK-121721-08		Lab ID: 70200060008	Collected: 12/17/21 08:17	Received: 01/06/22 10:20	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 - Melville						
Lead	5.9	ug/L	1.0	1		01/10/22 14:54	7439-92-1	

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

Sample: RK-121721-09		Lab ID: 70200060009		Collected: 12/17/21 08:14		Received: 01/06/22 10:20		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 - Melville							
Lead	<1.0	ug/L	1.0	1		01/10/22 14:56	7439-92-1		

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

Sample: RK-121721-10		Lab ID: 70200060010		Collected: 12/17/21 08:08		Received: 01/06/22 10:20		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 - Melville							
Lead	<1.0	ug/L	1.0	1		01/10/22 14:57	7439-92-1		

REPORT OF LABORATORY ANALYSIS

Date: 01/13/2022 06:11 PM

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ANALYTICAL RESULTS

Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

Sample: RK-121721-11		Lab ID: 70200060011		Collected: 12/17/21 08:10		Received: 01/06/22 10:20		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 - Melville							
Lead	2.4	ug/L	1.0	1		01/10/22 14:58	7439-92-1		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WASHINGTON TWP SCHOOL DISTRICT

Pace Project No.: 70200060

QC Batch: 240007
QC Batch Method: EPA 200.8

Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70200060001, 70200060002, 70200060003

METHOD BLANK: 1212627

Matrix: Water

Associated Lab Samples: 70200060001, 70200060002, 70200060003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	01/10/22 13:59	

LABORATORY CONTROL SAMPLE: 1212628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.5	97	85-115	

MATRIX SPIKE SAMPLE: 1212630

Parameter	Units	70200059020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	56.5	112	70-130	

MATRIX SPIKE SAMPLE: 1212632

Parameter	Units	70200059021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	57.3	113	70-130	

SAMPLE DUPLICATE: 1212629

Parameter	Units	70200059020 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1212631

Parameter	Units	70200059021 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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

QUALITY CONTROL DATA

Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

QC Batch: 240008 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70200060004, 70200060005, 70200060006, 70200060007, 70200060008, 70200060009, 70200060010, 70200060011

METHOD BLANK: 1212633 Matrix: Water
Associated Lab Samples: 70200060004, 70200060005, 70200060006, 70200060007, 70200060008, 70200060009, 70200060010, 70200060011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	01/10/22 14:39	

LABORATORY CONTROL SAMPLE: 1212634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.7	99	85-115	

MATRIX SPIKE SAMPLE: 1212636

Parameter	Units	70200060004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	59.1	117	70-130	

MATRIX SPIKE SAMPLE: 1212638

Parameter	Units	70200060005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.9	50	66.3	119	70-130	

SAMPLE DUPLICATE: 1212635

Parameter	Units	70200060004 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1212637

Parameter	Units	70200060005 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	6.9	6.9	0	

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: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

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.

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.

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WASHINGTON TWP SCHOOL DISTRICT
Pace Project No.: 70200060

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70200060001	RK-121721-01	EPA 200.8	240007		
70200060002	RK-121721-02	EPA 200.8	240007		
70200060003	RK-121721-03	EPA 200.8	240007		
70200060004	RK-121721-04	EPA 200.8	240008		
70200060005	RK-121721-05	EPA 200.8	240008		
70200060006	RK-121721-06	EPA 200.8	240008		
70200060007	RK-121721-07	EPA 200.8	240008		
70200060008	RK-121721-08	EPA 200.8	240008		
70200060009	RK-121721-09	EPA 200.8	240008		
70200060010	RK-121721-10	EPA 200.8	240008		
70200060011	RK-121721-11	EPA 200.8	240008		

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WO#: 70200060

Workorder Number or

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information:

Company: RK Occup. & Env Analysis, Same

Address: 401 St James Avenue
Phillipsburg, NJ 08855

Report To: PD McGuinness

Email To: pdmcguinness@enter.net

Copy To:

Site Collection Info/Address:

State: County/City: Time Zone Collected: [] PT [] MT [] CT [] ET

Compliance Monitoring? [] Yes [] No

DW PWS ID #: DW Location Code: Immediately Packed on Ice: [] Yes [] No

Field Filtered (if applicable): [] Yes [] No

Analysis: [] Yes [] No

Turnaround Date Required: sfd results

Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)

Sample Disposal: [] Dispose as appropriate [] Return [] Archive: [] Hold:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID

Matrix *

Comp / Grab

Collected (or Composite Start) Date Time

Composite End Date Time

Res Cl

of Ctns

Wet Blue Dry

Type of Ice Used: Packing Material Used: N/A

Radchem sample(s) screened (<500 cpm): Y N NA

Date/Time: 1/04/22 16:00

Date/Time: 1/04/22 16:00

Date/Time: 1/04/22 16:00

Date/Time: 1/04/22 16:00

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E ONLY

ager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signatures Present Y N NA
Bottles Intact Y N NA
Correct Volume Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: Y N NA
Sample pH Acceptable Y N NA
pH Strips: Y N NA
Sulfide Present Y N NA
Lead Acetate Strips: Y N NA

LAB USE ONLY:
Lab Sample # / Comments:

Pb Only, per Method 200.8 - all samples

Lab Sample Temperature Info:

Temp Blank Received: Y N NA
Therm ID#: 150 OC
Cooler 1 Temp Upon Receipt: 150 OC
Cooler 1 Therm Corr. Factor: 0.0 OC
Cooler 1 Corrected Temp: 150 OC
Comments:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO
Page: 1 of 12

WO#: 70200060

PM: CHG Due Date: 01/13/22

CLIENT: RKOE

Water Sampling Log

Name of Building
Building Owner

(see below)

Washington Township Bd of Educ

Date Collected 17-Dec-21

Collected by AR Simon

Sample No.	Tap No.	Sample Type	Type of Outlet	Manufacturer	Location	Time	Results (mg/L)	
							Cu	Pb
					<u>Brass Castle School</u>			
RK-121721-01	1	1st	Bubbler		Main Hallway - across from Main Office	07:32		
RK-121721-02	6a	1st	Bubbler		Nurse's Office, left side	07:34		
RK-121721-03	6b	1st	Bubbler		Nurse's Office, right side	07:35		
RK-121721-04	12	1st	Sink		Kitchen	07:42		
RK-121721-05	13	1st	Hose Filler		Kitchen - Spray Hose	07:44		
RK-121721-06	15	1st	Sink		Faculty Room 211	07:48		
					<u>Port Colden School</u>			
RK-121721-07	1	1st	Sink		Kitchen	08:16		
RK-121721-08	2	1st	Hose		Kitchen	08:17		
RK-121721-09	3	1st	Sink		Nurse's Office - bathroom sink, east side	08:14		
RK-121721-10	10	1st	Fountain		Main Hallway - outside of Room 200	08:08		
RK-121721-11	11	1st	Sink		Main Hallway - Faculty lav, across from Main Office	08:10		

Sample Type: 1st First Draw sample collected after water sat in pipe between 8 and 18 hours

FL: Water flushed through tap for at least 2 minutes

<: means Not Detected at or above the Reliability Detection Limit (RDL) of 0.0010 mg/L for Lead.

