

August 4, 2021

Thomas M. Hanna, P.E., LEED AP
Capital Projects Manager
Central Bucks School District
320 West Swamp Road
Doylestown, PA 18901

**Re: Lead in Drinking Water Sample Collection and Reporting
Groveland Elementary School
1100 N Easton Road
Doylestown, PA 18902**

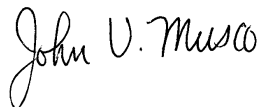
Dear Mr. Hanna:

This document has been prepared by Langan to provide the results of the drinking water sampling activities at the above referenced school. Langan sampled the drinking water sources (e.g. bottle fillers, fountains, sink faucets, etc.) on June 23, 2021 as identified by the Central Bucks School District facility inventory. The collected samples were sent to the Pennsylvania certified environmental laboratory, PACE Analytical, and analyzed for total lead by USEPA Method 200.8, to meet Pennsylvania's action level requirements.

The results did not detect any exceedances at this school of the Pennsylvania Action Level of 15 micrograms per liter (ug/L).

A figure of the sampling locations and copy of the laboratory report is attached.

Sincerely,
Langan Engineering & Environmental Services, Inc.



John V. Musco
Associate

Enclosure
cc: B. Lambing - Langan

NJ Certificate of Authorization No. 24GA27996400

\\langan.com\data\DYL\data4\200130403\Project Data\Record Data\Reports\Day 2_6-23-2021_Tohickon_Gayman_Groveland_Kutz\3rd_Groveland
ES\Groveland_Lead_Sampling_Report_2021.docx

July 09, 2021

Bill Lambing
Langan Engineering
2700 Kelly Road
Suite 200
Warrington, PA 18976

RE: Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Dear Bill Lambing:

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

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

Sincerely,



Sophia Sparkes
sophia.sparkes@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CENTRAL BUCKS (GROVELAND)

Pace Project No.: 70179533

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V188_062321	Lab ID: 70179533001	Collected: 06/23/21 08:02	Received: 07/06/21 19:20	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	1.8	ug/L	1.0	1		07/09/21 12:17	7439-92-1	
Sample: V174_062321	Lab ID: 70179533002	Collected: 06/23/21 08:03	Received: 07/06/21 19:20	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	1.8	ug/L	1.0	1		07/09/21 12:18	7439-92-1	
Sample: V173_062321	Lab ID: 70179533003	Collected: 06/23/21 08:03	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 12:19	7439-92-1	
Sample: V172_062321	Lab ID: 70179533004	Collected: 06/23/21 08:04	Received: 07/06/21 19:20	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		07/09/21 12:20	7439-92-1	
Sample: V171_062321	Lab ID: 70179533005	Collected: 06/23/21 08:05	Received: 07/06/21 19:20	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		07/09/21 12:21	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: VMO_062321	Lab ID: 70179533006	Collected: 06/23/21 08:06	Received: 07/06/21 19:20	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		07/09/21 12:24	7439-92-1	

Sample: V145_062321	Lab ID: 70179533007	Collected: 06/23/21 08:06	Received: 07/06/21 19:20	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		07/09/21 12:24	7439-92-1	

Sample: V157_062321	Lab ID: 70179533008	Collected: 06/23/21 08:10	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 12:27	7439-92-1	

Sample: V155_062321	Lab ID: 70179533009	Collected: 06/23/21 08:09	Received: 07/06/21 19:20	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		07/09/21 12:28	7439-92-1	

Sample: V158_062321	Lab ID: 70179533010	Collected: 06/23/21 08:10	Received: 07/06/21 19:20	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		07/09/21 12:29	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V159A_062321	Lab ID: 70179533011	Collected: 06/23/21 08:12	Received: 07/06/21 19:20	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		07/09/21 12:30	7439-92-1	

Sample: V159B_062321	Lab ID: 70179533012	Collected: 06/23/21 08:12	Received: 07/06/21 19:20	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		07/09/21 12:31	7439-92-1	

Sample: V159C_062321	Lab ID: 70179533013	Collected: 06/23/21 08:12	Received: 07/06/21 19:20	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	1.6	ug/L	1.0	1		07/09/21 12:32	7439-92-1	

Sample: VGLF_062321	Lab ID: 70179533014	Collected: 06/23/21 08:13	Received: 07/06/21 19:20	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		07/09/21 12:33	7439-92-1	

Sample: V143A_062321	Lab ID: 70179533015	Collected: 06/23/21 08:15	Received: 07/06/21 19:20	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	14.8	ug/L	1.0	1		07/09/21 12:36	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V118T_062321	Lab ID: 70179533016	Collected: 06/23/21 08:17	Received: 07/06/21 19:20	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	10.4	ug/L	1.0	1		07/09/21 12:41	7439-92-1	

Sample: V118A_062321	Lab ID: 70179533017	Collected: 06/23/21 08:16	Received: 07/06/21 19:20	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		07/09/21 12:42	7439-92-1	

Sample: V102_062321	Lab ID: 70179533018	Collected: 06/23/21 08:29	Received: 07/06/21 19:20	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		07/09/21 12:42	7439-92-1	

Sample: V103_062321	Lab ID: 70179533019	Collected: 06/23/21 08:28	Received: 07/06/21 19:20	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		07/09/21 12:43	7439-92-1	

Sample: V104_062322	Lab ID: 70179533020	Collected: 06/23/21 08:28	Received: 07/06/21 19:20	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		07/09/21 12:44	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V105_062322	Lab ID: 70179533021	Collected: 06/23/21 08:27	Received: 07/06/21 19:20	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	1.2	ug/L	1.0	1		07/09/21 12:45	7439-92-1	
Sample: V106_062323	Lab ID: 70179533022	Collected: 06/23/21 08:26	Received: 07/06/21 19:20	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		07/09/21 12:46	7439-92-1	
Sample: V107_062323	Lab ID: 70179533023	Collected: 06/23/21 08:24	Received: 07/06/21 19:20	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	1.6	ug/L	1.0	1		07/09/21 12:47	7439-92-1	
Sample: V109_062321	Lab ID: 70179533024	Collected: 06/23/21 08:22	Received: 07/06/21 19:20	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		07/09/21 12:50	7439-92-1	
Sample: V110_062321	Lab ID: 70179533025	Collected: 06/23/21 08:22	Received: 07/06/21 19:20	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	1.7	ug/L	1.0	1		07/09/21 12:51	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V111_062321	Lab ID: 70179533026	Collected: 06/23/21 08:20	Received: 07/06/21 19:20	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		07/09/21 12:54	7439-92-1	

Sample: V112_062321	Lab ID: 70179533027	Collected: 06/23/21 08:20	Received: 07/06/21 19:20	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		07/09/21 12:55	7439-92-1	

Sample: V113F_062321	Lab ID: 70179533028	Collected: 06/23/21 08:19	Received: 07/06/21 19:20	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		07/09/21 12:56	7439-92-1	

Sample: V113_062321	Lab ID: 70179533029	Collected: 06/23/21 08:41	Received: 07/06/21 19:20	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		07/09/21 12:57	7439-92-1	

Sample: V115_062321	Lab ID: 70179533030	Collected: 06/23/21 08:41	Received: 07/06/21 19:20	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		07/09/21 12:58	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V116_062321	Lab ID: 70179533031	Collected: 06/23/21 08:40	Received: 07/06/21 19:20	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	2.6	ug/L	1.0	1		07/09/21 12:59	7439-92-1	

Sample: V117_062321	Lab ID: 70179533032	Collected: 06/23/21 08:39	Received: 07/06/21 19:20	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	1.7	ug/L	1.0	1		07/09/21 13:01	7439-92-1	

Sample: V119_062321	Lab ID: 70179533033	Collected: 06/23/21 08:31	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 13:03	7439-92-1	

Sample: V120F_062321	Lab ID: 70179533034	Collected: 06/23/21 08:30	Received: 07/06/21 19:20	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		07/09/21 13:03	7439-92-1	

Sample: V121_062321	Lab ID: 70179533035	Collected: 06/23/21 08:32	Received: 07/06/21 19:20	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	1.2	ug/L	1.0	1		07/09/21 13:06	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V122_062321	Lab ID: 70179533036	Collected: 06/23/21 08:33	Received: 07/06/21 19:20	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	1.5	ug/L	1.0	1		07/09/21 13:09	7439-92-1	

Sample: V124_062321	Lab ID: 70179533037	Collected: 06/23/21 08:34	Received: 07/06/21 19:20	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	1.4	ug/L	1.0	1		07/09/21 13:10	7439-92-1	

Sample: V125_062321	Lab ID: 70179533038	Collected: 06/23/21 08:35	Received: 07/06/21 19:20	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		07/09/21 13:13	7439-92-1	

Sample: V126_062321	Lab ID: 70179533039	Collected: 06/23/21 08:37	Received: 07/06/21 19:20	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	1.7	ug/L	1.0	1		07/09/21 13:14	7439-92-1	

Sample: V127_062321	Lab ID: 70179533040	Collected: 06/23/21 08:36	Received: 07/06/21 19:20	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		07/09/21 13:15	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V128_062321	Lab ID: 70179533041	Collected: 06/23/21 08:37	Received: 07/06/21 19:20	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		07/09/21 13:16	7439-92-1	
Sample: V129_062321	Lab ID: 70179533042	Collected: 06/23/21 08:36	Received: 07/06/21 19:20	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		07/09/21 13:17	7439-92-1	
Sample: V202_062321	Lab ID: 70179533043	Collected: 06/23/21 09:15	Received: 07/06/21 19:20	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		07/09/21 13:18	7439-92-1	
Sample: V203_062321	Lab ID: 70179533044	Collected: 06/23/21 09:09	Received: 07/06/21 19:20	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	1.2	ug/L	1.0	1		07/09/21 13:19	7439-92-1	
Sample: V204_062321	Lab ID: 70179533045	Collected: 06/23/21 09:13	Received: 07/06/21 19:20	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	1.6	ug/L	1.0	1		07/09/21 13:20	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V205_062321	Lab ID: 70179533046	Collected: 06/23/21 09:09	Received: 07/06/21 19:20	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		07/09/21 13:24	7439-92-1	

Sample: V206_062321	Lab ID: 70179533047	Collected: 06/23/21 09:08	Received: 07/06/21 19:20	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	1.5	ug/L	1.0	1		07/09/21 13:25	7439-92-1	

Sample: V207_062321	Lab ID: 70179533048	Collected: 06/23/21 09:06	Received: 07/06/21 19:20	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		07/09/21 13:26	7439-92-1	

Sample: V209_062321	Lab ID: 70179533049	Collected: 06/23/21 09:03	Received: 07/06/21 19:20	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	1.2	ug/L	1.0	1		07/09/21 13:27	7439-92-1	

Sample: V210_062321	Lab ID: 70179533050	Collected: 06/23/21 09:04	Received: 07/06/21 19:20	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	1.4	ug/L	1.0	1		07/09/21 13:28	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V211_062321	Lab ID: 70179533051	Collected: 06/23/21 09:02	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 13:29	7439-92-1	

Sample: V212_062321	Lab ID: 70179533052	Collected: 06/23/21 09:04	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 13:30	7439-92-1	

Sample: V213F_062321	Lab ID: 70179533053	Collected: 06/23/21 09:01	Received: 07/06/21 19:20	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		07/09/21 13:31	7439-92-1	

Sample: V213_062321	Lab ID: 70179533054	Collected: 06/23/21 09:00	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 13:32	7439-92-1	

Sample: V214_062321	Lab ID: 70179533055	Collected: 06/23/21 08:59	Received: 07/06/21 19:20	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	1.8	ug/L	1.0	1		07/09/21 13:52	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V215_062321	Lab ID: 70179533056	Collected: 06/23/21 09:00	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 13:55	7439-92-1	
Sample: V216_062321	Lab ID: 70179533057	Collected: 06/23/21 08:56	Received: 07/06/21 19:20	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	1.2	ug/L	1.0	1		07/09/21 13:56	7439-92-1	
Sample: V217_062321	Lab ID: 70179533058	Collected: 06/23/21 08:56	Received: 07/06/21 19:20	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	4.3	ug/L	1.0	1		07/09/21 13:57	7439-92-1	
Sample: V219_062321	Lab ID: 70179533059	Collected: 06/23/21 08:46	Received: 07/06/21 19:20	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	1.2	ug/L	1.0	1		07/09/21 13:58	7439-92-1	
Sample: V220_062321	Lab ID: 70179533060	Collected: 06/23/21 08:46	Received: 07/06/21 19:20	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		07/09/21 13:59	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Sample: V220F_062321	Lab ID: 70179533061	Collected: 06/23/21 08:45	Received: 07/06/21 19:20	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		07/09/21 14:00	7439-92-1	

Sample: V221_062321	Lab ID: 70179533062	Collected: 06/23/21 08:47	Received: 07/06/21 19:20	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	1.6	ug/L	1.0	1		07/09/21 14:02	7439-92-1	

Sample: V222_062321	Lab ID: 70179533063	Collected: 06/23/21 08:48	Received: 07/06/21 19:20	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		07/09/21 14:03	7439-92-1	

Sample: V224_062321	Lab ID: 70179533064	Collected: 06/23/21 08:49	Received: 07/06/21 19:20	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	2.0	ug/L	1.0	1		07/09/21 14:04	7439-92-1	

Sample: V225_062321	Lab ID: 70179533065	Collected: 06/23/21 08:50	Received: 07/06/21 19:20	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	1.4	ug/L	1.0	1		07/09/21 14:05	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (GROVELAND)

Pace Project No.: 70179533

Sample: V226_062321	Lab ID: 70179533066	Collected: 06/23/21 08:52	Received: 07/06/21 19:20	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		07/09/21 14:08	7439-92-1	

Sample: V227_062321	Lab ID: 70179533067	Collected: 06/23/21 08:53	Received: 07/06/21 19:20	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		07/09/21 14:09	7439-92-1	

Sample: V228_062321	Lab ID: 70179533068	Collected: 06/23/21 08:52	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 14:10	7439-92-1	

Sample: V229_062321	Lab ID: 70179533069	Collected: 06/23/21 08:53	Received: 07/06/21 19:20	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	1.3	ug/L	1.0	1		07/09/21 14:11	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS (GROVELAND)

Pace Project No.: 70179533

QC Batch:	217006	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: 70179533001, 70179533002, 70179533003, 70179533004, 70179533005, 70179533006, 70179533007, 70179533008, 70179533009, 70179533010, 70179533011, 70179533012, 70179533013, 70179533014

METHOD BLANK: 1093570 Matrix: Water

Associated Lab Samples: 70179533001, 70179533002, 70179533003, 70179533004, 70179533005, 70179533006, 70179533007, 70179533008, 70179533009, 70179533010, 70179533011, 70179533012, 70179533013, 70179533014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/09/21 12:05	

LABORATORY CONTROL SAMPLE: 1093571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.1	100	85-115	

MATRIX SPIKE SAMPLE: 1093574

Parameter	Units	70179145001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	59.7	119	70-130	

MATRIX SPIKE SAMPLE: 1093576

Parameter	Units	70179533005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	52.8	104	70-130	

SAMPLE DUPLICATE: 1093573

Parameter	Units	70179145001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1093575

Parameter	Units	70179533005 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

QC Batch:	217007	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: 70179533015, 70179533016, 70179533017, 70179533018, 70179533019, 70179533020, 70179533021, 70179533022, 70179533023, 70179533024, 70179533025, 70179533026, 70179533027, 70179533028, 70179533029, 70179533030, 70179533031, 70179533032, 70179533033, 70179533034

METHOD BLANK: 1093577 Matrix: Water

Associated Lab Samples: 70179533015, 70179533016, 70179533017, 70179533018, 70179533019, 70179533020, 70179533021, 70179533022, 70179533023, 70179533024, 70179533025, 70179533026, 70179533027, 70179533028, 70179533029, 70179533030, 70179533031, 70179533032, 70179533033, 70179533034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/09/21 12:34	

LABORATORY CONTROL SAMPLE: 1093578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.6	97	85-115	

MATRIX SPIKE SAMPLE: 1093580

Parameter	Units	70179533015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	14.8	50	68.4	107	70-130	

MATRIX SPIKE SAMPLE: 1093582

Parameter	Units	70179533025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.7	50	49.6	96	70-130	

SAMPLE DUPLICATE: 1093579

Parameter	Units	70179533015 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	14.8	14.8	0	

SAMPLE DUPLICATE: 1093581

Parameter	Units	70179533025 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.7	1.6	5	

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

QC Batch:	217008	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: 70179533035, 70179533036, 70179533037, 70179533038, 70179533039, 70179533040, 70179533041, 70179533042, 70179533043, 70179533044, 70179533045, 70179533046, 70179533047, 70179533048, 70179533049, 70179533050, 70179533051, 70179533052, 70179533053, 70179533054

METHOD BLANK: 1093583 Matrix: Water

Associated Lab Samples: 70179533035, 70179533036, 70179533037, 70179533038, 70179533039, 70179533040, 70179533041, 70179533042, 70179533043, 70179533044, 70179533045, 70179533046, 70179533047, 70179533048, 70179533049, 70179533050, 70179533051, 70179533052, 70179533053, 70179533054

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/09/21 13:04	

LABORATORY CONTROL SAMPLE: 1093584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.0	100	85-115	

MATRIX SPIKE SAMPLE: 1093586

Parameter	Units	70179533035 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.2	50	56.2	110	70-130	

MATRIX SPIKE SAMPLE: 1093588

Parameter	Units	70179533045 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.6	50	58.0	113	70-130	

SAMPLE DUPLICATE: 1093585

Parameter	Units	70179533035 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.2	1.1	3	

SAMPLE DUPLICATE: 1093587

Parameter	Units	70179533045 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.6	1.7	2	

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

QC Batch:	217009	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: 70179533055, 70179533056, 70179533057, 70179533058, 70179533059, 70179533060, 70179533061, 70179533062, 70179533063, 70179533064, 70179533065, 70179533066, 70179533067, 70179533068, 70179533069

METHOD BLANK: 1093589 Matrix: Water

Associated Lab Samples: 70179533055, 70179533056, 70179533057, 70179533058, 70179533059, 70179533060, 70179533061, 70179533062, 70179533063, 70179533064, 70179533065, 70179533066, 70179533067, 70179533068, 70179533069

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/09/21 13:33	

LABORATORY CONTROL SAMPLE: 1093590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.2	96	85-115	

MATRIX SPIKE SAMPLE: 1093592

Parameter	Units	70179533055 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.8	50	50.3	97	70-130	

MATRIX SPIKE SAMPLE: 1093594

Parameter	Units	70179533065 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.4	50	47.3	92	70-130	

SAMPLE DUPLICATE: 1093591

Parameter	Units	70179533055 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.8	1.8	4	

SAMPLE DUPLICATE: 1093593

Parameter	Units	70179533065 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.4	1.4	2	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CENTRAL BUCKS (GROVELAND)

Pace Project No.: 70179533

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS (GROVELAND)
Pace Project No.: 70179533

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70179533001	V188_062321	EPA 200.8	217006		
70179533002	V174_062321	EPA 200.8	217006		
70179533003	V173_062321	EPA 200.8	217006		
70179533004	V172_062321	EPA 200.8	217006		
70179533005	V171_062321	EPA 200.8	217006		
70179533006	VMO_062321	EPA 200.8	217006		
70179533007	V145_062321	EPA 200.8	217006		
70179533008	V157_062321	EPA 200.8	217006		
70179533009	V155_062321	EPA 200.8	217006		
70179533010	V158_062321	EPA 200.8	217006		
70179533011	V159A_062321	EPA 200.8	217006		
70179533012	V159B_062321	EPA 200.8	217006		
70179533013	V159C_062321	EPA 200.8	217006		
70179533014	VGLF_062321	EPA 200.8	217006		
70179533015	V143A_062321	EPA 200.8	217007		
70179533016	V118T_062321	EPA 200.8	217007		
70179533017	V118A_062321	EPA 200.8	217007		
70179533018	V102_062321	EPA 200.8	217007		
70179533019	V103_062321	EPA 200.8	217007		
70179533020	V104_062322	EPA 200.8	217007		
70179533021	V105_062322	EPA 200.8	217007		
70179533022	V106_062323	EPA 200.8	217007		
70179533023	V107_062323	EPA 200.8	217007		
70179533024	V109_062321	EPA 200.8	217007		
70179533025	V110_062321	EPA 200.8	217007		
70179533026	V111_062321	EPA 200.8	217007		
70179533027	V112_062321	EPA 200.8	217007		
70179533028	V113F_062321	EPA 200.8	217007		
70179533029	V113_062321	EPA 200.8	217007		
70179533030	V115_062321	EPA 200.8	217007		
70179533031	V116_062321	EPA 200.8	217007		
70179533032	V117_062321	EPA 200.8	217007		
70179533033	V119_062321	EPA 200.8	217007		
70179533034	V120F_062321	EPA 200.8	217007		
70179533035	V121_062321	EPA 200.8	217008		
70179533036	V122_062321	EPA 200.8	217008		
70179533037	V124_062321	EPA 200.8	217008		
70179533038	V125_062321	EPA 200.8	217008		
70179533039	V126_062321	EPA 200.8	217008		
70179533040	V127_062321	EPA 200.8	217008		
70179533041	V128_062321	EPA 200.8	217008		
70179533042	V129_062321	EPA 200.8	217008		
70179533043	V202_062321	EPA 200.8	217008		
70179533044	V203_062321	EPA 200.8	217008		
70179533045	V204_062321	EPA 200.8	217008		
70179533046	V205_062321	EPA 200.8	217008		
70179533047	V206_062321	EPA 200.8	217008		
70179533048	V207_062321	EPA 200.8	217008		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS (GROVELAND)

Pace Project No.: 70179533

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70179533049	V209_062321	EPA 200.8	217008		
70179533050	V210_062321	EPA 200.8	217008		
70179533051	V211_062321	EPA 200.8	217008		
70179533052	V212_062321	EPA 200.8	217008		
70179533053	V213F_062321	EPA 200.8	217008		
70179533054	V213_062321	EPA 200.8	217008		
70179533055	V214_062321	EPA 200.8	217009		
70179533056	V215_062321	EPA 200.8	217009		
70179533057	V216_062321	EPA 200.8	217009		
70179533058	V217_062321	EPA 200.8	217009		
70179533059	V219_062321	EPA 200.8	217009		
70179533060	V220_062321	EPA 200.8	217009		
70179533061	V220F_062321	EPA 200.8	217009		
70179533062	V221_062321	EPA 200.8	217009		
70179533063	V222_062321	EPA 200.8	217009		
70179533064	V224_062321	EPA 200.8	217009		
70179533065	V225_062321	EPA 200.8	217009		
70179533066	V226_062321	EPA 200.8	217009		
70179533067	V227_062321	EPA 200.8	217009		
70179533068	V228_062321	EPA 200.8	217009		
70179533069	V229_062321	EPA 200.8	217009		

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Sample Condition Upon Receipt

WO#: 70179533

Client Name: Langan Engineering

Project

PM: STS Due Date: 07/21/21
CLIENT: LAN-PA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: +0.0

Cooler Temperature(°C): 24.5 Cooler Temperature Corrected(°C): 24.5

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Date and Initials of person examining contents: MN 7/17/21

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 map)? Yes No

Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-L1-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & 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		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		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		12.
-Includes date/time/ID, Matrix: <u>SL WT OIL</u>				
All containers needing preservation have been checked?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC155968</u>				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DR0/8015 (water). Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination: KI starch test strips Lot #	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	15.
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____				

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: Analysis taken from profile