Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Craig Napolitano

Report Date: 04/14/2025
Client Project ID: 101134534
York Project (SDG) No.: 25D0205

Revision No. **1.0**

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
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Report Date: 04/14/2025
Client Project ID: 101134534
York Project (SDG) No.: 25D0205

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive, 4th Floor
Parsipanny NJ, 07054-2172
Attention: Craig Napolitano

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 03, 2025 and listed below. The project was identified as your project: **101134534**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
25D0205-01	GS9-R1 Faculty Room Sink-left	Drinking Water	04/03/2025	04/03/2025
25D0205-02	GS9-R1-30 Faculty Room Sink-left	Drinking Water	04/03/2025	04/03/2025
25D0205-03	GS10-R1 Faculty Room Sink-right	Drinking Water	04/03/2025	04/03/2025
25D0205-04	GS10-R1-30 Faculty Room Sink-right	Drinking Water	04/03/2025	04/03/2025
25D0205-05	GS13-R1 Kitchen - Food Prep Sink-left	Drinking Water	04/03/2025	04/03/2025
25D0205-06	GS13-R1-30 Kitchen - Food Prep Sink-left	Drinking Water	04/03/2025	04/03/2025

General Notes for York Project (SDG) No.: 25D0205

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 04/14/2025

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **GS9-R1 Faculty Room Sink-left** **York Sample ID:** **25D0205-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25D0205	101134534	Drinking Water	April 3, 2025 6:25 am	04/03/2025

Lead by EPA 200.8

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**10.4**	M-PbEX	ug/L	1.00	1	EPA 200.8	04/04/2025 13:13	04/07/2025 13:18	JWT
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Sample Information

Client Sample ID: GS9-R1-30 Faculty Room Sink-left **York Sample ID:** 25D0205-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25D0205	101134534	Drinking Water	April 3, 2025 6:26 am	04/03/2025

Lead by EPA 200.8 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**3.31**		ug/L	1.00	1	EPA 200.8	04/14/2025 14:22	04/14/2025 15:54	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Sample Information

Client Sample ID: **GS10-R1 Faculty Room Sink-right** **York Sample ID:** **25D0205-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25D0205	101134534	Drinking Water	April 3, 2025 6:28 am	04/03/2025

Lead by EPA 200.8

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**9.79**	M-PbEX	ug/L	1.00	1	EPA 200.8	04/04/2025 13:13	04/07/2025 13:20	JWT
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Sample Information

Client Sample ID: GS10-R1-30 Faculty Room Sink-right **York Sample ID:** 25D0205-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25D0205	101134534	Drinking Water	April 3, 2025 6:28 am	04/03/2025

Lead by EPA 200.8 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.34**		ug/L	1.00	1	EPA 200.8	04/14/2025 14:22	04/14/2025 15:55	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Sample Information

Client Sample ID: GS13-R1 Kitchen - Food Prep Sink-left **York Sample ID:** 25D0205-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25D0205	101134534	Drinking Water	April 3, 2025 6:32 am	04/03/2025

Lead by EPA 200.8

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**7.21**		ug/L	1.00	1	EPA 200.8	04/08/2025 08:30	04/09/2025 11:59	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Sample Information

Client Sample ID: GS13-R1-30 Kitchen - Food Prep Sink-left **York Sample ID:** 25D0205-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25D0205	101134534	Drinking Water	April 3, 2025 6:32 am	04/03/2025

Lead by EPA 200.8 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 200.8

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.62**		ug/L	1.00	1	EPA 200.8	04/14/2025 14:22	04/14/2025 15:56	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		

Analytical Batch Summary

Batch ID: BD50334 **Preparation Method** EPA 200.8 **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
25D0205-01	GS9-R1 Faculty Room Sink-left	04/04/25
25D0205-03	GS10-R1 Faculty Room Sink-rig	04/04/25
BD50334-BLK1	Blank	04/04/25
BD50334-BS1	LCS	04/04/25

Batch ID: BD50503 **Preparation Method** EPA 200.8 **Prepared By:** DHD

YORK Sample ID	Client Sample ID	Preparation Date
25D0205-05	GS13-R1 Kitchen - Food Prep Si	04/08/25
BD50503-BLK1	Blank	04/08/25
BD50503-BS1	LCS	04/08/25

Batch ID: BD51007 **Preparation Method** EPA 200.8 **Prepared By:** cw

YORK Sample ID	Client Sample ID	Preparation Date
25D0205-02	GS9-R1-30 Faculty Room Sink-l	04/14/25
25D0205-04	GS10-R1-30 Faculty Room Sink	04/14/25
25D0205-06	GS13-R1-30 Kitchen - Food Pre	04/14/25
BD51007-BLK1	Blank	04/14/25
BD51007-BS1	LCS	04/14/25

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD50334 - EPA 200.8											
Blank (BD50334-BLK1) Blank									Prepared: 04/04/2025 Analyzed: 04/07/2025		
Lead	ND	1.00	ug/L								
LCS (BD50334-BS1) LCS									Prepared: 04/04/2025 Analyzed: 04/07/2025		
Lead	52.1		ug/L	50.0		104	85-115				
Batch BD50503 - EPA 200.8											
Blank (BD50503-BLK1) Blank									Prepared: 04/08/2025 Analyzed: 04/09/2025		
Lead	ND	1.00	ug/L								
LCS (BD50503-BS1) LCS									Prepared: 04/08/2025 Analyzed: 04/09/2025		
Lead	54.1		ug/L	50.0		108	80-120				
Batch BD51007 - EPA 200.8											
Blank (BD51007-BLK1) Blank									Prepared & Analyzed: 04/14/2025		
Lead	ND	1.00	ug/L								
LCS (BD51007-BS1) LCS									Prepared & Analyzed: 04/14/2025		
Lead	52.3		ug/L	50.0		105	85-115				

Sample and Data Qualifiers Relating to This Work Order

M-PbEX Lead result exceeds regulatory limit

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Revision Description: Per client request on 4/10/25, samples -02, -04 and -06 were activated for DW Lead analysis on standard TAT.

LANGAN

CHAIN OF CUSTODY RECORD / ANALYSIS REQUEST ..... OF .....

300 Kimball Drive
Parsippany, NJ 07054
Phone: 973-560-4900
Fax: 973-560-4901

25D0205

Project Name:	Eastchester UFSD - Greenvale School		
Address:	1 Gabriel Recsigno Drive	Auth. By:	Craig Napolitano
	Scarsdale, NY 10583	Phone No:	646-210-6500
Langan Job No.:	101134534	Sampling Date:	04/03/2025
Sampled By/License #:	Drew Cheskin		
	Fernando Velasquez		

Lab ID #	Sample ID	Description of Sample		Volume	Date/Time Sampled	Analysis Requested for Lead (EPA 200.8)
	GS9-R1	Faculty Room	Sink - left	250 mL	04/03/2025 0625	X
	GS9-R1-30	Faculty Room	Sink - left	250 mL	04/03/2025 0626	X
	GS10-R1	Faculty Room	Sink - right	250 mL	04/03/2025 0628	X
	GS10-R1-30	Faculty Room	Sink - right	250 mL	04/03/2025 0629	X
	GS13-R1	Kitchen - Food Prep	Sink - left	250 mL	04/03/2025 0632	X
	GS13-R1-30	Kitchen - Food Prep	Sink - left	250 mL	04/03/2025 1632	X

Turnaround Request:	6 day	48 hours	72 hours
	X		

Total No. of Samples: 6

Laboratory Instructions: Please email results to dcheskin@langan.com; bfeury@langan.com and cnapolitano@langan.com
ONLY ANALYZE SAMPLE GS9-R1-30 IF SAMPLE GS9-R1 EXCEEDS THE 5PPB TESTING THRESHOLD
ONLY ANALYZE SAMPLE GS10-R1-30 IF SAMPLE GS10-R1 EXCEEDS THE 5PPB TESTING THRESHOLD
ONLY ANALYZE SAMPLE GS13-R1-30 IF SAMPLE GS13-R1 EXCEEDS THE 5PPB TESTING THRESHOLD

Relinquished By:		Date: 4/3/25	Time: 0830
Received By:	TC Mahle	Date: 4/3/25	Time: 0830 17.4°C
Company: **LANGAN**			
Laboratory Name: York Analytical			