

# Technical Report

prepared for:

**Enviro-Probe, Inc.**  
6 Hollywood Court , Suite C ,2ND Floor  
South Plainfield NJ, 07080  
**Attention: Lyudmila Kogan**

Report Date: 07/21/2023  
**Client Project ID: 230 Diamond Spring Rd Denville, NJ**  
York Project (SDG) No.: 23G0778

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 07/21/2023  
Client Project ID: 230 Diamond Spring Rd Denville, NJ  
York Project (SDG) No.: 23G0778

**Enviro-Probe, Inc.**  
6 Hollywood Court , Suite C ,2ND Floor  
South Plainfield NJ, 07080  
Attention: Lyudmila Kogan

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## 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 July 14, 2023 and listed below. The project was identified as your project: **230 Diamond Spring Rd Denville, NJ.**

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
23G0778-01	1/17035	Drinking Water	07/11/2023	07/14/2023
23G0778-02	2/17036	Drinking Water	07/11/2023	07/14/2023
23G0778-03	3/17037	Drinking Water	07/11/2023	07/14/2023
23G0778-04	4/17038	Drinking Water	07/11/2023	07/14/2023
23G0778-05	5/17039	Drinking Water	07/11/2023	07/14/2023
23G0778-06	6/17040	Drinking Water	07/11/2023	07/14/2023
23G0778-07	7/17041	Drinking Water	07/11/2023	07/14/2023

## **General Notes for York Project (SDG) No.: 23G0778**

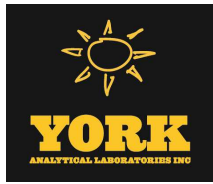
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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:** 

Cassie L. Mosher  
Laboratory Manager

**Date:** 07/21/2023





### Sample Information

**Client Sample ID:** 1/17035

**York Sample ID:** 23G0778-01

<u>York Project (SDG) No.</u> 23G0778	<u>Client Project ID</u> 230 Diamond Spring Rd Denville, NJ	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 11, 2023 7:15 am	<u>Date Received</u> 07/14/2023
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**Lead by EPA 200.8**

**Log-in Notes:** CONT

**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	ND		ug/L	1.00	1	EPA 200.8 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 10:41	07/19/2023 14:46	cw

### Sample Information

**Client Sample ID:** 2/17036

**York Sample ID:** 23G0778-02

<u>York Project (SDG) No.</u> 23G0778	<u>Client Project ID</u> 230 Diamond Spring Rd Denville, NJ	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 11, 2023 7:15 am	<u>Date Received</u> 07/14/2023
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**Lead by EPA 200.8**

**Log-in Notes:** CONT

**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	ND		ug/L	1.00	1	EPA 200.8 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 10:48	07/19/2023 14:55	cw

### Sample Information

**Client Sample ID:** 3/17037

**York Sample ID:** 23G0778-03

<u>York Project (SDG) No.</u> 23G0778	<u>Client Project ID</u> 230 Diamond Spring Rd Denville, NJ	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 11, 2023 7:15 am	<u>Date Received</u> 07/14/2023
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**Lead by EPA 200.8**

**Log-in Notes:** CONT

**Sample Notes:**

Sample Prepared by Method: EPA 200.8

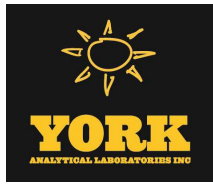
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.00	1	EPA 200.8 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 10:48	07/19/2023 14:59	cw

### Sample Information

**Client Sample ID:** 4/17038

**York Sample ID:** 23G0778-04

<u>York Project (SDG) No.</u> 23G0778	<u>Client Project ID</u> 230 Diamond Spring Rd Denville, NJ	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 11, 2023 7:15 am	<u>Date Received</u> 07/14/2023
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Sample Information

Client Sample ID: 4/17038

York Sample ID: 23G0778-04

York Project (SDG) No. 23G0778 Client Project ID 230 Diamond Spring Rd Denville, NJ Matrix Drinking Water Collection Date/Time July 11, 2023 7:15 am Date Received 07/14/2023

Lead by EPA 200.8

Log-in Notes: CONT

Sample Notes:

Sample Prepared by Method: EPA 200.8

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-92-1, Lead, ND, ug/L, 1.00, 1, EPA 200.8, 07/19/2023 10:48, 07/19/2023 15:01, cw

Sample Information

Client Sample ID: 5/17039

York Sample ID: 23G0778-05

York Project (SDG) No. 23G0778 Client Project ID 230 Diamond Spring Rd Denville, NJ Matrix Drinking Water Collection Date/Time July 11, 2023 7:15 am Date Received 07/14/2023

Lead by EPA 200.8

Log-in Notes: CONT

Sample Notes:

Sample Prepared by Method: EPA 200.8

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-92-1, Lead, ND, ug/L, 1.00, 1, EPA 200.8, 07/19/2023 10:48, 07/19/2023 15:02, cw

Sample Information

Client Sample ID: 6/17040

York Sample ID: 23G0778-06

York Project (SDG) No. 23G0778 Client Project ID 230 Diamond Spring Rd Denville, NJ Matrix Drinking Water Collection Date/Time July 11, 2023 7:15 am Date Received 07/14/2023

Lead by EPA 200.8

Log-in Notes: CONT

Sample Notes:

Sample Prepared by Method: EPA 200.8

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-92-1, Lead, ND, ug/L, 1.00, 1, EPA 200.8, 07/19/2023 10:48, 07/19/2023 15:03, cw

Sample Information

Client Sample ID: 7/17041

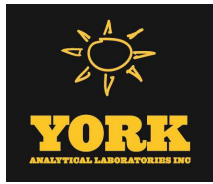
York Sample ID: 23G0778-07

York Project (SDG) No. 23G0778 Client Project ID 230 Diamond Spring Rd Denville, NJ Matrix Drinking Water Collection Date/Time July 11, 2023 7:15 am Date Received 07/14/2023

Lead by EPA 200.8

Log-in Notes: CONT

Sample Notes:



**Sample Information**

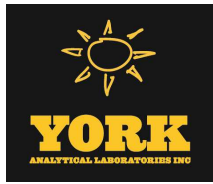
**Client Sample ID:** 7/17041

**York Sample ID:** 23G0778-07

<u>York Project (SDG) No.</u> 23G0778	<u>Client Project ID</u> 230 Diamond Spring Rd Denville, NJ	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 11, 2023 7:15 am	<u>Date Received</u> 07/14/2023
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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	ND		ug/L	1.00	1	EPA 200.8 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	07/19/2023 10:48	07/19/2023 15:05	cw





## Sample and Data Qualifiers Relating to This Work Order

CONT Sample was received in an improper container.

### 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 current NELAC/TNI 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.



**A-ARCALENZ LLC**

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23G0778

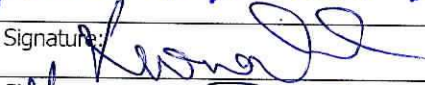
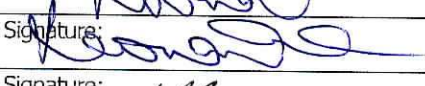
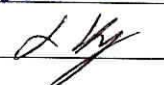
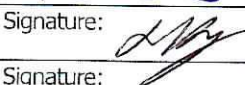
**CHAIN OF CUSTODY LEAD ANALYSIS**

PROJECT LOCATION 230 Diamond Spring Rd. Denville NJ  
Celebrate the children

Matrix:  Wipes  Paint by weight  Paint by area  Soil

Turn Around Time:  24 Hrs.  48 Hrs.  72 Hrs.

lead in water

Field ID	AEL Lab ID	Location/Description	Area (ft <sup>2</sup> ) (L x W) TA
1	17035	Lobby by entrance (Pre K)	1 week
2	6	Curriculum elementary	↓
3	7	High School	
4	8	Middle School	
5	9	Correlated Service	
6	40	Adult building 1 <sup>st</sup> floor	
7	41	2 <sup>nd</sup> floor	
<p>Rec: Noel N York Labo 7/13/23 1301 Rel: Noel N York Labo 7/13/23                  Rec: Andrew Keckler 7/14/23 7:55 Rel: Andrew Keckler 7/14/23 1000                  Epi # 23-3032                  Rec Lab: TC Labo 7/14/23 1000 2.6°C</p>			
Sampled By: Leonard Dunn	Signature: 	Date: 7/11/2023	Time: 7:15 am
Relinquished By: Leonard Dunn	Signature: 	Date: 7/11/2023	Time: 4:00 pm
Received By: 	Signature: 	Date: 7/12/23	Time: 9:30 am
Analyst:	Signature:	Date:	Time:

Threshold Limits: Floor: 10 µg/ft<sup>2</sup>, Windowsill (WS): 100 µg/ft<sup>2</sup>, Window Well: 400 µg/ft<sup>2</sup>, Exterior Porch: 40 µg/ft<sup>2</sup>

Please email result to  
Epiuropro6@aol.com