



Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
 Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
 State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For **Lyons Environmental Services, LLC**
 Project Lehmann
 Workorder 3398641
 Report ID 385760 on 2/5/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jan 31, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Elizabeth Parker (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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 ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
 Donna Lyons - Lyons Environmental Services, LLC
 Carrie Lyons - Lyons Environmental Services, LLC.

Elizabeth Parker

Elizabeth Parker
 Project Coordinator

(ALS Digital Signature)

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Sample Summary

<u>Lab ID</u>	<u>Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Collector</u>	<u>Collection Company</u>
3398641001	Field Blank	Drinking Water	01/29/2025 06:52	01/31/2025 21:00	CBC	Collected By Client
3398641002	LCC 1F	Drinking Water	01/29/2025 06:53	01/31/2025 21:00	CBC	Collected By Client
3398641003	LCC 2F	Drinking Water	01/29/2025 06:54	01/31/2025 21:00	CBC	Collected By Client
3398641004	LCC 3F	Drinking Water	01/29/2025 06:55	01/31/2025 21:00	CBC	Collected By Client
3398641005	LCC 4F	Drinking Water	01/29/2025 06:56	01/31/2025 21:00	CBC	Collected By Client
3398641006	LCC 5F	Drinking Water	01/29/2025 06:58	01/31/2025 21:00	CBC	Collected By Client
3398641007	LCC 6F	Drinking Water	01/29/2025 06:59	01/31/2025 21:00	CBC	Collected By Client
3398641008	LCK 1F	Drinking Water	01/29/2025 07:01	01/31/2025 21:00	CBC	Collected By Client
3398641009	LCK 2F	Drinking Water	01/29/2025 07:01	01/31/2025 21:00	CBC	Collected By Client
3398641010	LCK-ICE-1	Drinking Water	01/29/2025 07:02	01/31/2025 21:00	CBC	Collected By Client



Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
 EPA 300.1 Rev. 1.0-1997
 EPA 300.0 Rev. 2.1-1993
 EPA 353.2 Rev. 2.0-1993
 EPA 410.4 Rev. 1.0-1993
 EPA 420.4 Rev. 1.0-1993
 EPA 365.1 Rev. 2.0-1993
 EPA 200.7 Rev. 4.4-1994
 EPA 200.8 Rev. 5.4-1994
 EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.



Project Notations

Sample Notations

Lab ID **Sample ID**

Result Notations

Notation Ref.



Detected Results Summary

Not applicable for this WO.

Project Lehmann
Workorder 3398641



Results

Client Sample ID	Field Blank	Collected	01/29/2025 06:52
Lab Sample ID	3398641001	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:48	JMS	A

Project Lehmann
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Results

Client Sample ID	LCC 1F	Collected	01/29/2025 06:53
Lab Sample ID	3398641002	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:45	JMS	A



Results

Client Sample ID	LCC 2F	Collected	01/29/2025 06:54
Lab Sample ID	3398641003	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:41	JMS	A



Results

Client Sample ID	LCC 3F	Collected	01/29/2025 06:55
Lab Sample ID	3398641004	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:52	JMS	A

Project Lehmann
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Results

Client Sample ID	LCC 4F	Collected	01/29/2025 06:56
Lab Sample ID	3398641005	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:51	JMS	A

Project Lehmann
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Results

Client Sample ID	LCC 5F	Collected	01/29/2025 06:58
Lab Sample ID	3398641006	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:39	JMS	A

Project Lehmann
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Results

Client Sample ID	LCC 6F	Collected	01/29/2025 06:59
Lab Sample ID	3398641007	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:53	JMS	A

Project Lehmann
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Results

Client Sample ID	LCK 1F	Collected	01/29/2025 07:01
Lab Sample ID	3398641008	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:42	JMS	A

Project Lehmann
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Results

Client Sample ID	LCK 2F	Collected	01/29/2025 07:01
Lab Sample ID	3398641009	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:40	JMS	A

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Results

Client Sample ID	LCK-ICE-1	Collected	01/29/2025 07:02
Lab Sample ID	3398641010	Lab Receipt	01/31/2025 21:00

METALS

<u>Compound</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Dilution</u>	<u>Analysis Date/Time</u>	<u>By</u>	<u>Cntr</u>
Lead, Total	ND	ND	mg/L	0.0020	EPA 200.8	1	02/04/2025 12:50	JMS	A



Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3398641001	Field Blank	EPA 200.8	EPA ACIDT	
3398641002	LCC 1F	EPA 200.8	EPA ACIDT	
3398641003	LCC 2F	EPA 200.8	EPA ACIDT	
3398641004	LCC 3F	EPA 200.8	EPA ACIDT	
3398641005	LCC 4F	EPA 200.8	EPA ACIDT	
3398641006	LCC 5F	EPA 200.8	EPA ACIDT	
3398641007	LCC 6F	EPA 200.8	EPA ACIDT	
3398641008	LCK 1F	EPA 200.8	EPA ACIDT	
3398641009	LCK 2F	EPA 200.8	EPA ACIDT	
3398641010	LCK-ICE-1	EPA 200.8	EPA ACIDT	



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3398641001	Field Blank	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641002	LCC 1F	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641003	LCC 2F	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641004	LCC 3F	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641005	LCC 4F	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641006	LCC 5F	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641007	LCC 6F	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641008	LCK 1F	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641009	LCK 2F	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225
3398641010	LCK-ICE-1	EPA ACIDT	1383224	02/04/2025 09:47	JMS	EPA 200.8	1383225



**CHAIN OF CUSTODY/
 REQUEST FOR ANALYSIS**
 ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
 SAMPLER. INSTRUCTIONS ON THE BACK.

301 Fulfilling Mill Rd, Suite A
 Middletown, PA 17057
 P. 717-944-5541



Client Name: Lyons Environmental Services		Container Type: PZ	Temp °C:	Therm ID:	On Ice:
Address: 1105 Green Grove Road, Bldg. 2 Neptune, NJ 07753		Container Size: 250			Y N
Contact: Donna Lyons Phone#: 732-566-0038		Preservative: HNEB3	Sample(s) for Radiation testing? Y N		
Project Name#: <i>Donna Lehmann</i>		Reportable SDWA Sample(s)? Y N			
Bill To: Lyons Environmental Services		SDWA State of Origin:			
Purchase Order #:		PWSID#:			
TAT <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days. Rush-Subject to ALS approval and surcharges.		PWS Contact:			
Date Required: Approved?		PWS Phone#:			
Email? <input checked="" type="checkbox"/> dlyons@lyonsenvironmental.com		New Source? Y N			
Sample Description/Location (as it will appear on the lab report)		Time Collected (mm/dd/yy)		Time (hh:mm)	
1 Field Blank		1/29/25 0652		0652	
2 LCC 1 F		0653		0653	
3 LCC 2 F		0654		0654	
4 LCC 3 F		0655		0655	
5 LCC 4 F		0656		0656	
6 LCC 5 F		0658		0658	
7 LCC 6 F		0659		0659	
8 LCK 1 F		0701		0701	
9 LCK 2 F		0701		0701	
10 LCK-ICE 1		0702		0702	
Circle Sample Collector: ALS Tech / Client		Comments:			
Name: <i>Donna Lyons</i> ID:		Relinquished By: Company Name			
Date: 1/31/25 1340		1		Received By / Company Name: <i>PER ALS</i>	
1/31/25 11600		3		4	
1/31/25 200		5		6	
		7		8	
		9		10	
		EDDS: Format Type			
		Standard Lvl 1			
		Standard Lvl 2			
		Standard Lvl 3			
		Standard Lvl 4			
		Excel Summary			
		Equis			
		Custom			
		CLP-like			
		DOD			
		NJ RED			
		NJ Full			
		HSCA			
		Landfill			
		NJ GW			
		Sample Disposal			
		Lab			
		Special			
		State Samples Collected In			
		NY			
		NJ <input checked="" type="checkbox"/>			
		PA			
		WV			
		FL			
		other			



Middletown Sample Condition Form

Client Lyons Workorder 3398641
 Temp °C 1 Therm ID SG9 Ice? Y N N/A Initials & Date DB 1/31/25
 Fedex UPS Client ALS Other Tracking # _____

	Yes	No ¹	N/A	Comments
Cooler Custody Seals present & intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample Custody Seals present & intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Chain-of-Custody present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample collector name present <i>If not present, must contact PM/client to request name.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COC/bottle labels complete & in agreement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
•Sample location	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
•Date and time of sample collection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
•Type(s) of preservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
•Number of containers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
•Composite or grab	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
•Matrix	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Proper containers, preservation, and volume per method	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Received within hold time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Trip blanks present (EPA 504, EPA 524)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Field blanks present (Hg 1631, PFAS)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
NJ ≤ 4 Days	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CR6 Samples Filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
OP Samples Filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
WV Containers 0-6°C	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
SDWA compliance reporting	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

¹ If No, provide comment

Rad Screen (uCi) _____

PM - PM to contact client
 N/A - Not Applicable
 UC - Updated coc with missing information

Review Comments:
