



301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | Fax: 717-944-1430 | www.alsglobal.com

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

Analytical Results Report For

Lyons Environmental Services, LLC

Project Long Branch GLC
Workorder 3241846
Report ID 168669 on 5/13/2022

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on May 09, 2022.

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 Sarah Leung (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.

Sarah Leung

Sarah Leung
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

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3241846001	Field Blank	Drinking Water	05/06/2022 08:01	05/09/2022 20:40	CBC	Collected By Client
3241846002	GLC-DW-139-47(I)	Drinking Water	05/06/2022 08:01	05/09/2022 20:40	CBC	Collected By Client
3241846003	GLC-DW-139-47(F)	Drinking Water	05/06/2022 08:02	05/09/2022 20:40	CBC	Collected By Client
3241846004	GLC-DW-114-24(I)	Drinking Water	05/06/2022 08:04	05/09/2022 20:40	CBC	Collected By Client
3241846005	GLC-DW-114-24(F)	Drinking Water	05/06/2022 08:05	05/09/2022 20:40	CBC	Collected By Client
3241846006	GLC-DW-109-19(I)	Drinking Water	05/06/2022 08:07	05/09/2022 20:40	CBC	Collected By Client
3241846007	GLC-DW-109-19(F)	Drinking Water	05/06/2022 08:08	05/09/2022 20:40	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.
- 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 preformed 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)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
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

Client Sample ID	GLC-DW-114-24(I)	Collected	05/06/2022 08:04
Lab Sample ID	3241846004	Lab Receipt	05/09/2022 20:40

Compound	Result	Units	RDL	Method	Flag
METALS					
Lead, Total	7.00	ug/L	2.00	EPA 200.8	#



Detected Results Summary

Client Sample ID	GLC-DW-114-24(F)	Collected	05/06/2022 08:05		
Lab Sample ID	3241846005	Lab Receipt	05/09/2022 20:40		
Compound	Result	Units	RDL	Method	Flag
METALS					
Lead, Total	2.93	ug/L	2.00	EPA 200.8	#



Detected Results Summary

Client Sample ID	GLC-DW-109-19(I)	Collected	05/06/2022 08:07
Lab Sample ID	3241846006	Lab Receipt	05/09/2022 20:40

Compound	Result	Units	RDL	Method	Flag
METALS					
Lead, Total	4.28	ug/L	2.00	EPA 200.8	#



Results

Client Sample ID	Field Blank	Collected	05/06/2022 08:01
Lab Sample ID	3241846001	Lab Receipt	05/09/2022 20:40

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	ND	ND	ug/L	2.00	EPA 200.8	1	05/12/2022 18:05	RMD	A



Results

Client Sample ID	GLC-DW-139-47(I)	Collected	05/06/2022 08:01
Lab Sample ID	3241846002	Lab Receipt	05/09/2022 20:40

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	ND	ND	ug/L	2.00	EPA 200.8	1	05/12/2022 18:11	RMD	A



Results

Client Sample ID	GLC-DW-139-47(F)	Collected	05/06/2022 08:02
Lab Sample ID	3241846003	Lab Receipt	05/09/2022 20:40

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	ND	ND	ug/L	2.00	EPA 200.8	1	05/12/2022 18:12	RMD	A



Results

Client Sample ID	GLC-DW-114-24(I)	Collected	05/06/2022 08:04
Lab Sample ID	3241846004	Lab Receipt	05/09/2022 20:40

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	7.00		ug/L	2.00	EPA 200.8	1	05/12/2022 18:13	RMD	A



Results

Client Sample ID	GLC-DW-114-24(F)	Collected	05/06/2022 08:05
Lab Sample ID	3241846005	Lab Receipt	05/09/2022 20:40

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	2.93		ug/L	2.00	EPA 200.8	1	05/12/2022 18:14	RMD	A



Results

Client Sample ID	GLC-DW-109-19(I)	Collected	05/06/2022 08:07
Lab Sample ID	3241846006	Lab Receipt	05/09/2022 20:40

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	4.28		ug/L	2.00	EPA 200.8	1	05/12/2022 18:17	RMD	A



Results

Client Sample ID	GLC-DW-109-19(F)	Collected	05/06/2022 08:08
Lab Sample ID	3241846007	Lab Receipt	05/09/2022 20:40

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Lead, Total	ND	ND	ug/L	2.00	EPA 200.8	1	05/12/2022 18:18	RMD	A



Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3241846001	Field Blank	EPA 200.8	EPA ACIDT	
3241846002	GLC-DW-139-47(I)	EPA 200.8	EPA ACIDT	
3241846003	GLC-DW-139-47(F)	EPA 200.8	EPA ACIDT	
3241846004	GLC-DW-114-24(I)	EPA 200.8	EPA ACIDT	
3241846005	GLC-DW-114-24(F)	EPA 200.8	EPA ACIDT	
3241846006	GLC-DW-109-19(I)	EPA 200.8	EPA ACIDT	
3241846007	GLC-DW-109-19(F)	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
3241846001	Field Blank	EPA ACIDT	847380	05/12/2022 14:27	RMD	EPA 200.8	847381
3241846002	GLC-DW-139-47(I)	EPA ACIDT	847380	05/12/2022 14:27	RMD	EPA 200.8	847381
3241846003	GLC-DW-139-47(F)	EPA ACIDT	847380	05/12/2022 14:27	RMD	EPA 200.8	847381
3241846004	GLC-DW-114-24(I)	EPA ACIDT	847380	05/12/2022 14:27	RMD	EPA 200.8	847381
3241846005	GLC-DW-114-24(F)	EPA ACIDT	847380	05/12/2022 14:27	RMD	EPA 200.8	847381
3241846006	GLC-DW-109-19(I)	EPA ACIDT	847380	05/12/2022 14:27	RMD	EPA 200.8	847381
3241846007	GLC-DW-109-19(F)	EPA ACIDT	847380	05/12/2022 14:27	RMD	EPA 200.8	847381



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

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

3241846



Logged By: KSB
PM: SSL

COC #:

ALS Quote #:

Client Name: Lyons Env.		Container Type	PL		
Address:		Container Size	200		
1105 Green Grove Rd. Bldg. 2 Neptune, NJ 07753		Preservative	HNO3		
Contact: Donna Lyons		ANALYSES/METHOD REQUESTED			
Phone#: 732-566-0037					
Project Name#: Long Branch - 6LC					
Bill To: Lyons Env.					
Purchase Order #:					
TAT <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days.					
Date Required: <input type="checkbox"/> Rush-Subject to ALS approval and surcharges.					
Email? <input checked="" type="checkbox"/> <u>lyons@lyonsenv.com</u>					
Approved?					
Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	*Matrix (See bottom of COC)
1 Field Blank	5/6/22	0801	G	G	1
2 GLC-DW-139-47(F)	5/6/22	0801	G	G	1
3 " (F)	5/6/22	0802	G	G	1
4 GLC-DW-114-24(F)	5/6/22	0804	G	G	1
5 " (F)	5/6/22	0805	G	G	1
6 GLC-DW-109-19(F)	5/6/22	0807	G	G	1
7 " (F)	5/6/22	0808	G	G	1
8					
9					
10					
Comments: I = Initial Draw / F = Flushed					
SAMPLER BY (Please Print, if MD include Sampler #): Donna Lyons					
Date:	Time	Relinquished By / Company Name	Received By / Company Name		
5/9/22	10:55	Donna Lyons	Donna Lyons		
05/09/2024	16:30	Donna Lyons	Donna Lyons		
Temp Taken By: GWF			Therm ID: 570		
Receipt Info completed by: <u>Donna Lyons</u>			W/O Temp (*C) 1		
Cooler Custody Seals Intact			Y	NA	Deviations? NO YES
Sample Custody Seal Intact			Y	NA	If YES, list below:
Received on Ice			Y	NA	
Coolers & Samples Intact			Y	NA	
Correct Containers Provided			Y	NA	
Sample Label/COC Agree			Y	NA	
Adequate Sample Volumes			Y	NA	
VOA only: Headspace Present			Y	NA	
VOA only: Trip Blank			Y	NA	
NJ ≤ 4 days? Y N			Y	NA	
Courier/Tracking #:					
Sample(s) for Radiation testing?			Y	N	Rad Screen (uCi)
Reportable SDWA Sample(s)?			Y	N	New Source? Y N
SDWA State of Origin?					New Source Contact
PWSID #					
PWS Contact:				PWS Phone #:	
SDWA Sample Type Key: D=Distribution E=Entry Point					
R=Raw P=Plant C=Check S=Special A=Annual Startup					
Sample/COC Remarks					
Contains Short Hold Testing YES NO					
Internal Use: If less than 48 hours - notify lab upon receipt					
Data Deliverables			State Samples Collected In		
<input checked="" type="checkbox"/> Standard Lvl 1			<input type="checkbox"/> CLP-like	<input type="checkbox"/> HSCA	<input type="checkbox"/> NY
<input type="checkbox"/> Standard Lvl 2			<input type="checkbox"/> DOD	<input type="checkbox"/> Landfill	<input checked="" type="checkbox"/> NJ
<input type="checkbox"/> Standard Lvl 3			<input type="checkbox"/> NJ RED	<input type="checkbox"/> NJ GW	<input type="checkbox"/> PA
<input type="checkbox"/> Standard Lvl 4			<input type="checkbox"/> NJ Full	<input type="checkbox"/> Lab	<input type="checkbox"/> WV
Excel Summary			Sample Disposal		
<input type="checkbox"/> EDD			<input type="checkbox"/> Special		
<input type="checkbox"/> Equis			<input type="checkbox"/> Lab		
<input type="checkbox"/> Custom			<input type="checkbox"/> Special		
EDDS: Fomal Type					



34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Environmental

CHAIN OF CUSTODY /

REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 42 of 42
ALS Quote #:

Client Name: BATTI Environmental Inc.		Container Type	TCK	Cl Glass	Cl Glass	Receipt Information (completed by Receiving Lab)	
Address: 6 Garfield Way		Container Size	40 ml	8 oz	8 oz	Cooler Temp: <u>4</u>	Therm ID: <u>570</u>
Newark, DE. 19713-5817		Preservative	MeOH	None	None	No. of Coolers: <u>Y</u>	Initial: <u>N</u>
Contact: <u>Jason Brown</u>		ANALYSIS METHOD REQUESTED					Custody Seals Present?
Phone: <u>202-352-1572</u>		TCL, PCB, PAHs, PCBs, PCBs					(if present) Seals Intact?
Project Name: <u>7705A 1049302</u>		TCL, PCB, PAHs, PCBs, PCBs					Received on Ice?
Bill To: Accounts Payable - Batta		TCL, PCB, PAHs, PCBs, PCBs					COC Label Completed/Correct?
TAT <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days.		TCL, PCB, PAHs, PCBs, PCBs					Temp Taken By: <u>KJB</u>
Date Required: <u>5/13/22</u>		TCL, PCB, PAHs, PCBs, PCBs					Therm ID: <u>570</u>
Email: <u>Y Jason.brown@battaenv.com</u>		TCL, PCB, PAHs, PCBs, PCBs					Receipt Info Completed By: <u>AM</u>
Fax: <u>Y No.</u>		TCL, PCB, PAHs, PCBs, PCBs					Cooler Custody Seal Intact
Sample Description/Location		Sample Date	Time	Cooler & Containers Provided			
(as it will appear on the lab report)				Sample Label/COC Agree			
11 HBDMs-11 FCS1		5/4/22	1056	Adequate Sample Volumes			
12 HBDMs-12 FCS1 (again in room 11)		5/4/22	1057	VOA Headspace Present			
13 JHGAHS-13 Room 35		5/4/22	1135	Voa Trip Blank			
14 JHGAHS-14 Room 35		5/4/22	1134	NLS 4 Days?			
15 JHGAHS-15 Room 35		5/4/22	1137	Rad Screen (UCI)			
16 JHGAHS-16 Room 35		5/4/22	1137	SDWA Compliance			
17 SMS-17 Kitchen Small Sink		5/4/22	1159	PWSD			
18 WES-18 Science Room 204		5/4/22	1244	ALS Field Services: <u>Pickup</u> <u>Labor</u>			
Project Comments:		LOGGED BY (signature):		Composite Sampling <u>Other:</u>			
Relinquished By / Company Name		Date	Time	ALS Field Services: <u>Pickup</u> <u>Labor</u>			
1 Amber Freckles		5/4/22	2:15	Composite Sampling <u>Other:</u>			
2 Amber Freckles		5/4/22	2:15	ALS Field Services: <u>Pickup</u> <u>Labor</u>			
3 Amber Freckles		5/4/22	2:15	Composite Sampling <u>Other:</u>			
4 Amber Freckles		5/4/22	2:15	ALS Field Services: <u>Pickup</u> <u>Labor</u>			
5 Amber Freckles		5/4/22	2:15	Composite Sampling <u>Other:</u>			
6 Amber Freckles		5/4/22	2:15	ALS Field Services: <u>Pickup</u> <u>Labor</u>			
7 Amber Freckles		5/4/22	2:15	Composite Sampling <u>Other:</u>			
8 Amber Freckles		5/4/22	2:15	ALS Field Services: <u>Pickup</u> <u>Labor</u>			
9 Amber Freckles		5/4/22	2:15	Composite Sampling <u>Other:</u>			

Standard	Deliverables	Special Processing	State Samples Collected In
<input type="checkbox"/>	<input type="checkbox"/>	USACE	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Navy	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	USACE	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	USACE	<input type="checkbox"/>
Reportable to PADEP?		Sample Disposal	PA
Yes <input type="checkbox"/>		Lab	NC
PWSID #		Special	
EDDS: Format Type			

Temp Taken By: KJB
Therm ID: 570
Receipt Info Completed By: AM
Cooler Custody Seal Intact: Y
Sample Custody Seal Intact: Y
Received on Ice: Y
COC Label Completed/Correct: Y
Cooler & Containers Provided: Y
Sample Label/COC Agree: Y
Adequate Sample Volumes: Y
VOA Headspace Present: Y
Voa Trip Blank: Y
NLS 4 Days?: Y
Rad Screen (UCI): Y
SDWA Compliance: Y
PWSD: Y

ALS Field Services: Pickup Labor
Composite Sampling Other: