

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME: ALS MIDDLETOWN

ALS ENVIRONMENTAL
301 Fulling Mill Road

Middletown, PA - 17057

Phone No: 8007947709

ORDER ID: Q3851

ATTENTION: Jessica Smith







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Cover Page

Order ID: Q3851

Project ID: ALS Middletown

Client: ALS Environmental

Lab Sample Number

Client Sample Number

Q3851-01 MRS/NRS Q3851-02 Delumper Feed

Q3851-03 MIX

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature:

By Nimisha Pandya, QA/QC Supervisor at 2:31 pm, Dec 17, 2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

Date:

12/17/2025

Q3851 **3 of 18**



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

ALS Environmental

Project Name: ALS Middletown

Project # N/A Order ID # Q3851 Test Name: Ammonia

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 12/12/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Ammonia. This data package contains results for Ammonia.

C. Analytical Techniques:

The analysis of Ammonia was based on method SM4500-NH3.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample MRS/NRS was diluted due to high concentrations for Ammonia as N & Sample Delumper Feed was diluted due to high concentrations for Ammonia as N & Sample Delumper FeedDL was diluted due to high concentrations for Ammonia as N & Sample MIX was diluted due to high concentrations for Ammonia as N.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 2:31 pm, Dec 17, 2025

Signature_

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following "Results Qualifiers" are used:

- J Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
- U Indicates the analyte was analyzed for, but not detected.
- ND Indicates the analyte was analyzed for, but not detected
- E Indicates the reported value is estimated because of the presence of interference
- M Indicates Duplicate injection precision not met.
- N Indicates the spiked sample recovery is not within control limits.
- S Indicates the reported value was determined by the Method of Standard Addition (MSA).
- * Indicates that the duplicate analysis is not within control limits.
- + Indicates the correlation coefficient for the MSA is less than 0.995.
- D Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- M Method qualifiers
 - **"P"** for ICP instrument
 - "PM" for ICP when Microwave Digestion is used
 - "CV" for Manual Cold Vapor AA
 - "AV" for automated Cold Vapor AA
 - "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi –Automated Spectrophotometric
 - "C" for Manual Spectrophotometric
 - **"T"** for Titrimetric
 - "NR" for analyte not required to be analyzed
- OR Indicates the analyte's concentration exceeds the calibrated range of the
 - instrument for that specific analysis.
- Q Indicates the LCS did not meet the control limits requirements
- H Sample Analysis Out Of Hold Time

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Aliance

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3851

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	<u> </u>
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	<u> </u>
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	' ' <u>*</u>
Collect information for each project id from server. Were all requirements followed	<u> </u>
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	<u> </u>
CHAIN OF CUSTODY:	_
Do requested analyses on Chain of Custody agree with form I results	<u> </u>
Do requested analyses on Chain of Custody agree with the log-in page	<u> </u>
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	<u> </u>
Were the samples received within hold time	<u> </u>
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	<u> </u>
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	<u></u>
Does the case narrative summarize all QC failure?	'
All runlogs and manual integration are reviewed for requirements	<u></u>
All manual calculations and /or hand notations verified	<u>_</u>

QA Review Signature: SOHIL JODHANI Date: 12/17/2025

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SAMPLE DATA

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Fax: 908 789 8922

Report of Analysis

Client:ALS EnvironmentalDate Collected:11/30/25 23:59Project:ALS MiddletownDate Received:12/12/25Client Sample ID:MRS/NRSSDG No.:Q3851Lab Sample ID:Q3851-01Matrix:SOIL

% Solid: SOII

Parameter	Conc. Qua.	DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	13600 OR	1 176	401	mg/Kg	12/16/25 10:35	12/16/25 12:42	SM 4500-NH3 B plus G-21

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

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Client:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,

Fax: 908 789 8922

Report of Analysis

ALS Environmental Date Collected: 11/30/25 23:59
ALS Middletown Date Received: 12/12/25

Project:ALS MiddletownDate Received:12/12/2Client Sample ID:MRS/NRSDLSDG No.:Q3851Lab Sample ID:Q3851-01DLMatrix:SOIL% Solid:1.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	13900	D	2	353	801	mg/Kg	12/16/25 10:35	12/16/25 13:22	SM 4500-NH3 B plus G-21

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

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Client:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Report of Analysis

ALS Environmental Date Collected: 11/30/25 23:59

Project:ALS MiddletownDate Received:12/12/25Client Sample ID:Delumper FeedSDG No.:Q3851Lab Sample ID:Q3851-02Matrix:SOIL

% Solid: 17

Parameter	Conc. Qua.	DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	8810 OR	1 12.6	28.6	mg/Kg	12/16/25 10:35	12/16/25 12:52	SM 4500-NH3 B plus G-21

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q3851

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

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Report of Analysis

ALS Environmental Date Collected: 11/30/25 23:59

Client: Project: ALS Middletown Date Received: 12/12/25 Client Sample ID: Delumper FeedDL SDG No.: Q3851 Lab Sample ID: Q3851-02DL Matrix: SOIL

% Solid: 17

Parameter	Conc. Qua	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	14500 OR	. 20	251	571	mg/Kg	12/16/25 10:35	12/16/25 13:22	SM 4500-NH3 B plus G-21

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits





Fax: 908 789 8922

Report of Analysis

Client: ALS Environmental Date Collected: 11/30/25 23:59 Project: ALS Middletown Client Sample ID: Delumper FeedDL2 Lab Sample ID: Q3851-02DL2

Date Received: 12/12/25 SDG No.: Q3851 Matrix: SOIL % Solid: 17

Parameter	Conc. Qua.	DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	14500 D	40 503	1140	mg/Kg	12/16/25 10:35	12/16/25 13:46	SM 4500-NH3 B plus G-21

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Q3851





Fax: 908 789 8922

Report of Analysis

Client: ALS Environmental Project: ALS Middletown

Client Sample ID: MIX Lab Sample ID: Q3851-03 Date Collected: 11/30/25 23:59

Date Received: 12/12/25 SDG No.: Q3851 Matrix: SOIL % Solid: 2.9

Parameter	Conc. Qua.	DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	10400 OR	1 73.7	167	mg/Kg	12/16/25 10:35	12/16/25 12:52	SM 4500-NH3 B plus G-21

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Q3851





Fax: 908 789 8922

Report of Analysis

Client: ALS Environmental
Project: ALS Middletown

Client Sample ID: MIXDL Lab Sample ID: Q3851-03DL Date Collected: 11/30/25 23:59 Date Received: 12/12/25

SDG No.: Q3851 Matrix: SOIL % Solid: 2.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	9710	D	5	368	837	mg/Kg	12/16/25 10:35	12/16/25 13:22	SM 4500-NH3 B plus G-21

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Q3851



Contact:

LAB CHRONICLE

OrderID: Q3851 OrderDate: 12/12/2025 10:44:00 AM

Client: ALS Environmental Project: ALS Middletown

Jessica Smith Location: G11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3851-01	MRS/NRS	SOIL			11/30/25 23:59			12/12/25
			Ammonia	SM4500-NH3		12/16/25	12/16/25 12:42	
Q3851-01DL	MRS/NRSDL	SOIL			11/30/25 23:59			12/12/25
			Ammonia	SM4500-NH3		12/16/25	12/16/25 13:22	
Q3851-02	Delumper Feed	SOIL			11/30/25 23:59			12/12/25
			Ammonia	SM4500-NH3		12/16/25	12/16/25 12:52	
Q3851-02DL	Delumper FeedDL	SOIL			11/30/25 23:59			12/12/25
			Ammonia	SM4500-NH3		12/16/25	12/16/25 13:22	
Q3851-02DL 2	Delumper FeedDL2	SOIL			11/30/25 23:59			12/12/25
			Ammonia	SM4500-NH3		12/16/25	12/16/25 13:46	
Q3851-03	MIX	SOIL			11/30/25 23:59			12/12/25
			Ammonia	SM4500-NH3		12/16/25	12/16/25 12:52	
Q3851-03DL	MIXDL	SOIL			11/30/25 23:59			12/12/25
			Ammonia	SM4500-NH3		12/16/25	12/16/25 13:22	

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SHIPPING DOCUMENTS

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301 Fulling 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.

COC#:	Q3851	T
ALS Quote #:		

Client	Name: Al	S Middletown)				Cor	ntainer 1	voe	CG									Receipt Information (completed by Receiving Lab)
			_				-												Temp Taken By: Therm ID: WO Temp (°C)
Addres	301 F	Illing Mill Rd					10	Contain	er	40z									Receipt Info completed by: WV Containers 0-6°C Y N NA
	Middle	tonw PA 1705	.7				-	Size		LIMP							-		Cooler Custody Seals Intact Y N NA Deviations? NO YES
	Middle	LOHW FA 1703	11				Pre	eserva	tive	UNP									Sample Custody Seal Intact Y N NA If YES, filst below:
							-	h h .		4. 1704	10				1 . 21 .		1		Received on Ice Y N NA
Contac	t: Jessic	2 Smith	-	-			Uni	порпо	spna	ite Filte	red?	Yes	No		lent Chromium EQUESTED	Filtered?	Yes	No	Coolers & Samples Intact Y N
_	#: 717-94		-				H	П				ANALI	212 / ME	THOD RE	EQUESTED	_			Correct Containers Provided Y N
_	-	3444816					1												Sample Label/COC Agree Y N
_	Same	0177010									sult							-	Adequate Sample Volumes Y N VOA only: Trip Blank Y N NA
_	ase Orde	r#: 40-34	44816	6			<u>§</u>		ତ୍ର		OW IS				N. A.	i c			1
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Date Ro Email?	equired:	12/17/202		troot@	alsglobal.co		le T		Bot	SM4500NH3D	ease	TS%- Date Analyzed	e An	lyst	REG	2			Sample(s) for Radiation testing? Y N Rad Screen (uCi)
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	Sample [escription/L	ocatio	n	Date Collected	Time	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	S	%TS-	TS%	TS%- Time Analyzed	TS%	NJ CERT REQUIRED FOR ALI	Š			SDWA State of Origin? New Source Contact:
	1	appear on the lab	report)		mm/dd/yy	hh:mm									PWSID#				
1	MRS/NR	3			11/30/25	23:59		C S	3	1	1.2%	12/4/2025	16:10	MKM			344481600	01	PWS Contact: PWS Phone #:
2	Delump	er Feed			11/30/25	23:59		c s	3	1	17.0%	12/4/2025	16:10	мкм			344481600)2	SDWA Sample Type Key: D=Distribution E=Entry Point
3	MIX				11/30/25	23:59		C S	3	1	2.9%	12/4/2025	16:10	мкм			344481600)3	R=Raw P=Plant C=Check S=Special A=Annual Startup
4	177																		Sample/COC Remarks
5									1										Alliance Technical Group
6									1										·
7								\vdash	\dagger							-	+ +		284 Sheffield Street, Mountainside, NJ 07092
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			7				8					Custom Special FL							
			9								10						EDD	S:	Format Type other
					•	G=Grab; C=C	ompos	ite	**Mat	rix - A=A	ir; D≂Drinki	ng Water; GW=Gr	oundwater;	O=Oil; LW=L	iquid Waste; S=So	lid/Soil/Sludge	SW=Surface W	ater; WP=V	Vipe; WW=Wastewater





Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

QA Control Code: A2070148