

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : ALS MIDDLETOWN

ALS ENVIRONMENTAL

34 Dogwood lane

Middletown, PA - 17057

Phone No: 8007947709

ORDER ID : Q2905

ATTENTION : Jessica Smith



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2905

Project ID : ALS Middletown

Client : ALS Environmental

Lab Sample Number

Q2905-01
Q2905-02
Q2905-03

Client Sample Number

MRS/NRS
Delumper Feed
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 :

APPROVED

Sohil Jodhani, QA/QC Director , 8/25/2025, 8:45:38 AM

Date: 8/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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 # Q2905

Test Name: Ammonia

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 08/20/2025.

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

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.

Signature_____

APPROVED

Sohil Jodhani, QA/QC Director , 8/25/2025, 8:45:54 AM

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2905

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)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

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

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 08/25/2025



SAMPLE DATA

Report of Analysis

Client:	ALS Environmental	Date Collected:	07/31/25 23:59
Project:	ALS Middletown	Date Received:	08/20/25
Client Sample ID:	MRS/NRS	SDG No.:	Q2905
Lab Sample ID:	Q2905-01	Matrix:	SOIL
		% Solid:	1.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	12600	OR	1	178	405	mg/Kg	08/22/25 08:50	08/22/25 12:20	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

Report of Analysis

Client:	ALS Environmental	Date Collected:	07/31/25 23:59
Project:	ALS Middletown	Date Received:	08/20/25
Client Sample ID:	MRS/NRSDL	SDG No.:	Q2905
Lab Sample ID:	Q2905-01DL	Matrix:	SOIL
		% Solid:	1.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	12500	D	2	356	809	mg/Kg	08/22/25 08:50	08/22/25 13:31	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

Report of Analysis

Client:	ALS Environmental	Date Collected:	07/31/25 23:59
Project:	ALS Middletown	Date Received:	08/20/25
Client Sample ID:	Delumper Feed	SDG No.:	Q2905
Lab Sample ID:	Q2905-02	Matrix:	SOIL
		% Solid:	17.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	15100	OR	1	12.5	28.5	mg/Kg	08/22/25 08:50	08/22/25 12:20	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

Report of Analysis

Client:	ALS Environmental	Date Collected:	07/31/25 23:59
Project:	ALS Middletown	Date Received:	08/20/25
Client Sample ID:	Delumper FeedDL	SDG No.:	Q2905
Lab Sample ID:	Q2905-02DL	Matrix:	SOIL
		% Solid:	17.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	17300	D	50	627	1420	mg/Kg	08/22/25 08:50	08/22/25 13:32	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

Report of Analysis

Client:	ALS Environmental	Date Collected:	07/31/25 23:59
Project:	ALS Middletown	Date Received:	08/20/25
Client Sample ID:	MIX	SDG No.:	Q2905
Lab Sample ID:	Q2905-03	Matrix:	SOIL
		% Solid:	2.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	17300	OR	1	101	229	mg/Kg	08/22/25 08:50	08/22/25 12:20	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

Report of Analysis

Client:	ALS Environmental	Date Collected:	07/31/25 23:59
Project:	ALS Middletown	Date Received:	08/20/25
Client Sample ID:	MIXDL	SDG No.:	Q2905
Lab Sample ID:	Q2905-03DL	Matrix:	SOIL
		% Solid:	2.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	16500	D	5	504	1140	mg/Kg	08/22/25 08:50	08/22/25 13:32	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

LAB CHRONICLE

OrderID:	Q2905	OrderDate:	8/20/2025 12:09:57 PM
Client:	ALS Environmental	Project:	ALS Middletown
Contact:	Jessica Smith	Location:	J31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2905-01	MRS/NRS	SOIL			07/31/25 23:59			08/20/25
			Ammonia	SM4500-NH3		08/22/25	08/22/25 12:20	
Q2905-01DL	MRS/NRSDL	SOIL			07/31/25 23:59			08/20/25
			Ammonia	SM4500-NH3		08/22/25	08/22/25 13:31	
Q2905-02	Delumper Feed	SOIL			07/31/25 23:59			08/20/25
			Ammonia	SM4500-NH3		08/22/25	08/22/25 12:20	
Q2905-02DL	Delumper FeedDL	SOIL			07/31/25 23:59			08/20/25
			Ammonia	SM4500-NH3		08/22/25	08/22/25 13:32	
Q2905-03	MIX	SOIL			07/31/25 23:59			08/20/25
			Ammonia	SM4500-NH3		08/22/25	08/22/25 12:20	
Q2905-03DL	MIXDL	SOIL			07/31/25 23:59			08/20/25
			Ammonia	SM4500-NH3		08/22/25	08/22/25 13:32	



SHIPPING DOCUMENTS



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 #:	Q 2905	of
ALS Quote #:		

Client Name: ALS Middletown			Container Type	CG													Receipt Information (completed by Receiving Lab)									
Address: 301 Fulling Mill Rd Middletown PA 17057			Container Size	4oz													Temp Taken By:	Therm ID:	WO Temp (°C)							
Contact: Jessica Smith			Preservative	UNP													Receipt Info completed by: _____									
Phone#: 717-944-5541			ANALYSIS / METHOD REQUESTED													Cooler Custody Seals Intact			Y	N	NA	Deviations? NO YES				
Project Name#: 3428557			SDWA Sample Type (see key) *G or C **Matrix (See bottom of COC) SM4500NH3D %TS - Please report below result TS%- Date Analyzed TS%- Time Analyzed TS%- Analyst NJ CERT REQUIRED FOR ALL ANALYSES REQUESTED.													Sample Custody Seal Intact			Y	N	NA	If YES, list below:				
Bill To: Same																Received on Ice			Y	N	NA					
Purchase Order #: 40-3428557																Coolers & Samples Intact			Y	N						
TAT <input type="checkbox"/> Normal-Standard TAT is 10-12 business days. <input checked="" type="checkbox"/> Rush-Subject to ALS approval and surcharges.																Correct Containers Provided			Y	N						
Date Required: 8/25/2025 4 DAY TAT																Sample Label/COC Agree			Y	N	Sample(s) for Radiation testing?			Y	N	Rad Screen (uCi) _____
Email? <input checked="" type="checkbox"/> namdt.subcontract@alsglobal.com			Adequate Sample Volumes			Y	N	Reportable SDWA Sample(s)?			Y	N	New Source? Y N													
			VOA only: Trip Blank			Y	N	NA	SDWA State of Origin?			New Source Contact:														
			NJ ≤ 4 days? Y N			Client contact:			Date/Tech:																	
			Courier/Tracking #																							
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)	Enter Number of Containers Per Sample or Field Results Below.										PWSID #	PWS Contact: _____ PWS Phone #: _____								
1	MRS/NRS	7/31/25	23:59	C	S	1	1.2%	8/5/2025	20:42	L1C							SDWA Sample Type Key: D=Distribution E=Entry Point R=Raw P=Plant C=Check S=Special A=Annual Startup									
2	Delumper Feed	7/31/25	23:59	C	S	1	17.2%	8/5/2025	20:42	L1C							Sample/COC Remarks									
3	MIX	7/31/25	23:59	C	S	1	2.1%	8/5/2025	20:42	L1C							Alliance Technical Group									
4																	284 Sheffield Street, Mountainside, NJ 07092									
5																	Contains Short Hold Testing YES NO									
6																	Internal Use: If less than 48 hours - notify lab upon receipt									
7																										
8																										
9																										
10																										
Circle Sample Collector: ALS Tech / Client			Comments: Please report using ALS Total Solids provided above for each sample.													Data Deliverables			State Samples Collected In							
Name: Stonybrook SA			ID:													<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"/>	<input type="checkbox"/> WV					
Date: 8/19/25 1700			Relinquished By / Company Name													Received By / Company Name			Excel Summary			Sample Disposal				
8/26/25 1140			g1 lab / ALS													FEDEx			<input type="checkbox"/> Equis			Lab	<input checked="" type="checkbox"/> X	<input type="checkbox"/> FL		
																			<input type="checkbox"/> Custom			Special	<input type="checkbox"/>	other		
																			EDDS: Format Type							

* G=Grab; C=Composite

** Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

Q2905.90C

From: Jessica Smith <Jessica.Smith@ALSGlobal.com>
Sent: Wednesday, August 20, 2025 12:43 PM
Subject: Re: [EXTERNAL] - Water Matrix

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Deepak,

This is a sludge, please run and report as a solid(mg/kg). Please also use the total% solids results we provided. Let me know if you have any further questions. Thanks, have a great afternoon!

WEBTRIEVE PORTAL : <https://webtrieveus.alsenviro.com/Login.aspx>

Kindest Regards,



Jessica Smith
Project Manager
Environmental, USA
jessica.smith@alsglobal.com
O: +1 717 944 5541
D: +1 717 616-8903
301 Fulling Mill Road
Middletown, PA 17057

alsglobal.com/usaenviro

[How was your ALS experience?](#)



From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Wednesday, August 20, 2025 12:34 PM
To: Jessica Smith <Jessica.Smith@ALSGlobal.com>
Subject: [EXTERNAL] - Water Matrix

You don't often get email from deepak.parmar@alliancetg.com. [Learn why this is important](#)

CAUTION: This email originated from outside of ALS. Do not click links or open attachments unless you recognize the sender and are sure content is relevant to you.

Good afternoon,

sample MRS/NRS and MIX received as water sample, however on COC sample mentioned as Soil. Can you please confirm with Matrix?

Thanks & Regards,



Deepak Parmar

Sr. Project Manager

An Alliance Technical Group Company

Main: 908-789-8900

Direct: 908-728-3154

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

www.alliancetg.com



Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312