

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : ALS MIDDLETOWN

ALS ENVIRONMENTAL

301 Fulling Mill Road

Middletown, PA - 17057

Phone No: 8007947709

ORDER ID : Q3606

ATTENTION : Jessica Smith



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3606

Project ID : ALS Middletown

Client : ALS Environmental

Lab Sample Number

Q3606-01
Q3606-05
Q3606-06

Client Sample Number

DELUMPER FEED
MRS/NRS
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 : _____

Date: 11/18/2025

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 # Q3606

Test Name: Ammonia

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 11/11/2025.

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 DELUMPER FEED was diluted due to high concentrations for Ammonia as N & Sample MRS/NRS 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 (COMP-1DUP) analysis met criteria for all compounds except for Ammonia as N due to the results are below reporting limit.

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_____

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 #: Q3606

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 Castody

✓

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: 11/18/2025



SAMPLE DATA

Report of Analysis

Client:	ALS Environmental	Date Collected:	10/31/25 23:59
Project:	ALS Middletown	Date Received:	11/11/25
Client Sample ID:	DELUMPER FEED	SDG No.:	Q3606
Lab Sample ID:	Q3606-01	Matrix:	SOIL
		% Solid:	17.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	7580	OR	1	12.4	28.1	mg/Kg	11/17/25 10:10	11/17/25 13:20	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:	10/31/25 23:59
Project:	ALS Middletown	Date Received:	11/11/25
Client Sample ID:	DELUMPER FEEDDL	SDG No.:	Q3606
Lab Sample ID:	Q3606-01DL	Matrix:	SOIL
		% Solid:	17.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	8210	D	50	619	1410	mg/Kg	11/17/25 10:10	11/17/25 14:05	SM 4500-NH3 B plus G-21

Comments: _____

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
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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:	10/31/25 23:59
Project:	ALS Middletown	Date Received:	11/11/25
Client Sample ID:	MRS/NRS	SDG No.:	Q3606
Lab Sample ID:	Q3606-05	Matrix:	SOIL
		% Solid:	1.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	15500	OR	1	194	441	mg/Kg	11/17/25 10:10	11/17/25 13:20	SM 4500-NH3 B plus G-21

Comments: _____

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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:	10/31/25 23:59
Project:	ALS Middletown	Date Received:	11/11/25
Client Sample ID:	MRS/NRSDL	SDG No.:	Q3606
Lab Sample ID:	Q3606-05DL	Matrix:	SOIL
		% Solid:	1.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	14100	D	5	971	2210	mg/Kg	11/17/25 10:10	11/17/25 14:05	SM 4500-NH3 B plus G-21

Comments: _____

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MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
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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:	10/31/25 23:59
Project:	ALS Middletown	Date Received:	11/11/25
Client Sample ID:	MIX	SDG No.:	Q3606
Lab Sample ID:	Q3606-06	Matrix:	SOIL
		% Solid:	2.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	12700	OR	1	80.7	183	mg/Kg	11/17/25 10:10	11/17/25 13:20	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:	10/31/25 23:59
Project:	ALS Middletown	Date Received:	11/11/25
Client Sample ID:	MIXDL	SDG No.:	Q3606
Lab Sample ID:	Q3606-06DL	Matrix:	SOIL
		% Solid:	2.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	12100	D	10	807	1830	mg/Kg	11/17/25 10:10	11/17/25 14:05	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:	Q3606	OrderDate:	11/11/2025 1:56:00 PM
Client:	ALS Environmental	Project:	ALS Middletown
Contact:	Jessica Smith	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3606-01	DELUMPER FEED	SOIL			10/31/25 23:59			11/11/25
			Ammonia	SM4500-NH3		11/17/25	11/17/25 13:20	
Q3606-01DL	DELUMPER FEEDDL	SOIL			10/31/25 23:59			11/11/25
			Ammonia	SM4500-NH3		11/17/25	11/17/25 14:05	
Q3606-05	MRS/NRS	SOIL			10/31/25 23:59			11/11/25
			Ammonia	SM4500-NH3		11/17/25	11/17/25 13:20	
Q3606-05DL	MRS/NRSDL	SOIL			10/31/25 23:59			11/11/25
			Ammonia	SM4500-NH3		11/17/25	11/17/25 14:05	
Q3606-06	MIX	SOIL			10/31/25 23:59			11/11/25
			Ammonia	SM4500-NH3		11/17/25	11/17/25 13:20	
Q3606-06DL	MIXDL	SOIL			10/31/25 23:59			11/11/25
			Ammonia	SM4500-NH3		11/17/25	11/17/25 14:05	



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 #:	Q3606	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)						
			Preservative	UNP												Receipt Info completed by: _____							
			Orthophosphate Filtered?			Yes	No	Hexavalent Chromium Filtered?			Yes	No	Cooler Custody Seals Intact			Y	N	NA					
															Sample Custody Seal Intact			Y	N	NA			
Contact: Jessica Smith			ANALYSIS / METHOD REQUESTED												Received on Ice			Y	N	NA			
Phone#: 717-944-5541			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.	Coolers & Samples Intact			Y	N							
Project Name#: 3441649												Correct Containers Provided			Y	N							
Bill To: Same												Sample Label/COC Agree			Y	N							
Purchase Order #: 40-3441649												Adequate Sample Volumes			Y	N							
TAT ☐ Normal-Standard TAT is 10-12 business days.												VOA only: Trip Blank			Y	N	NA						
Date Required: 11/17/2025												NJ ≤ 4 days?			Y	N							
Email? ☒ namdt.subcontract@alsglobal.com												Courier/Tracking #											
												Sample(s) for Radiation testing?			Y	N							
												Reportable SDWA Sample(s)?			Y	N							
												SDWA State of Origin?											
			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																				
			Alliance Technical Group																				
			284 Sheffield Street, Mountainside, NJ 07092																				
			Contains Short Hold Testing			YES NO																	
			Internal Use: If less than 48 hours - notify lab upon receipt																				
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:												☒ Standard Lvl 1			☐ CLP-like			☐ HSCA		
															☐ Standard Lvl 2			☐ DOD			☐ Landfill		
															☐ Standard Lvl 3			☐ NJ RED			☐ NJ GW		
															☐ Standard Lvl 4			☐ NJ Full					
															☐ Excel Summary			Sample Disposal					
															☐ Equis			Lab			☒ X		
															☐ Custom			Special			☐		
															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



Environmental

PURCHASE ORDER

40-3441649

FOR SUBCONTRACT ANALYSES

Date: 11/10/2025

Contact: **Jessica Smith**

E-Mail: MDT.Subcontract@alsglobal.com

Terms: **Net 30**

Attention:

Company: Alliance Technical Group

Address:

Phone:**Fax:**

Bill To: ALS Environmental

301 Fulving Mill Road

Middletown PA 17057

Phone: 717-944-5541

Fax: 717-944-1430

Ship To: Alliance Technical Group

Phone:**Fax:**[illegible]

Sales Tax:	N/A
-------------------	-----

Shipping/Handling:	N/A
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Other:	N/A
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Comments:

Total Order Amount: \$108.15

From: Yazmeen Gomez
Sent: Tuesday, November 11, 2025 3:12 PM
To: Jessica Smith
Subject: Ammonia samples
Attachments: SKM_C55825111114430.pdf

Good afternoon Jessica,

We received the attached samples today.

I just want to inform you – COC mentioned these are Solid samples – however, our lab determined two of these samples (Sample 01 and 03) need to be treated as a Liquid.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com    

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