

## **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**



1) Signature Page	3
2) Case Narrative	4
2.1) Genchem- Case Narrative	4
3) Qualifier Page	5
4) QA Checklist	6
5) Genchem Data	7
6) Shipping Document	15
6.1) CHAIN OF CUSTODY	16
6.2) Lab Certificate	18

1

2

3

4

5

6

## 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:

<b>J</b>	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).
<b>U</b>	Indicates the analyte was analyzed for, but not detected.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>E</b>	Indicates the reported value is estimated because of the presence of interference
<b>M</b>	Indicates Duplicate injection precision not met.
<b>N</b>	Indicates the spiked sample recovery is not within control limits.
<b>S</b>	Indicates the reported value was determined by the Method of Standard Addition (MSA).
<b>*</b>	Indicates that the duplicate analysis is not within control limits.
<b>+</b>	Indicates the correlation coefficient for the MSA is less than 0.995.
<b>D</b>	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
<b>M</b>	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
<b>OR</b>	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements
<b>H</b>	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: \_\_\_\_\_

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:	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: \_\_\_\_\_

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:	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: \_\_\_\_\_

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:	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

<b>OrderID:</b>	Q3606	<b>OrderDate:</b>	11/11/2025 1:56:00 PM
<b>Client:</b>	ALS Environmental	<b>Project:</b>	ALS Middletown
<b>Contact:</b>	Jessica Smith	<b>Location:</b>	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q3606-01</b>	<b>DELUMPER FEED</b>	<b>SOIL</b>			<b>10/31/25 23:59</b>			<b>11/11/25</b>
			Ammonia	SM4500-NH3		11/17/25	11/17/25 13:20	
<b>Q3606-01DL</b>	<b>DELUMPER FEEDDL</b>	<b>SOIL</b>			<b>10/31/25 23:59</b>			<b>11/11/25</b>
			Ammonia	SM4500-NH3		11/17/25	11/17/25 14:05	
<b>Q3606-05</b>	<b>MRS/NRS</b>	<b>SOIL</b>			<b>10/31/25 23:59</b>			<b>11/11/25</b>
			Ammonia	SM4500-NH3		11/17/25	11/17/25 13:20	
<b>Q3606-05DL</b>	<b>MRS/NRSDL</b>	<b>SOIL</b>			<b>10/31/25 23:59</b>			<b>11/11/25</b>
			Ammonia	SM4500-NH3		11/17/25	11/17/25 14:05	
<b>Q3606-06</b>	<b>MIX</b>	<b>SOIL</b>			<b>10/31/25 23:59</b>			<b>11/11/25</b>
			Ammonia	SM4500-NH3		11/17/25	11/17/25 13:20	
<b>Q3606-06DL</b>	<b>MIXDL</b>	<b>SOIL</b>			<b>10/31/25 23:59</b>			<b>11/11/25</b>
			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	Deviations? NO YES								
Contact: Jessica Smith			ANALYSIS / METHOD REQUESTED												Sample Custody Seal Intact			Y	N	NA	If YES, list below:				
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.												Received on Ice			Y	N	NA					
Project Name#: 3441649															Coolers & Samples Intact			Y	N	Correct Containers Provided			Y	N	
Bill To: Same															Sample Label/COC Agree			Y	N	Adequate Sample Volumes			Y	N	
Purchase Order #: 40-3441649															VOA only: Trip Blank			Y	N	NA	NJ ≤ 4 days? Y N			Client contact:	
TAT <input type="checkbox"/> Normal-Standard TAT is 10-12 business days.															Courier/Tracking #			Date/Tech:							
Date Required: 11/17/2025															Sample(s) for Radiation testing? Y N			Rad Screen (uCi) _____							
Email? <input checked="" type="checkbox"/> namdt.subcontract@alsglobal.com															Reportable SDWA Sample(s)? Y N			New Source? Y N							
															SDWA State of Origin? _____			New Source Contact:							
Sample Description/Location (as it will appear on the lab report)			Date Collected mm/dd/yy	Time hh:mm	Enter Number of Containers Per Sample or Field Results Below.										PWSID # _____										
1	MRS/NRS	10/31/25	23:59	C	S	1	1.1%	11/6/2025	8:44	MKS				3441649001	PWS Contact: _____ PWS Phone #: _____										
2	Delumper Feed	10/31/25	23:59	C	S	1	17.6%	11/6/2025	8:44	MKS				3441649002	SDWA Sample Type Key: D=Distribution E=Entry Point R=Raw P=Plant C=Check S=Special A=Annual Startup										
3	MIX	10/31/25	23:59	C	S	1	2.7%	11/6/2025	8:44	MKS				3441649003	Sample/COC Remarks										
4															Alliance Technical Group										
5															284 Sheffield Street, Mountainside, NJ 07092										
6															Contains Short Hold Testing YES NO										
7															Internal Use: If less than 48 hours - notify lab upon receipt										
8																									
9																									
10																									
Circle Sample Collector: ALS Tech / Client				Comments: Please report using ALS Total Solids provided above for each sample.												Data Deliverables <input checked="" type="checkbox"/> Standard Lvl 1 <input type="checkbox"/> Standard Lvl 2 <input type="checkbox"/> Standard Lvl 3 <input type="checkbox"/> Standard Lvl 4 <input type="checkbox"/> Excel Summary <input type="checkbox"/> Equis <input type="checkbox"/> Custom			CLP-like <input type="checkbox"/> DOD <input type="checkbox"/> NJ RED <input type="checkbox"/> NJ Full <input type="checkbox"/> Sample Disposal Lab <input checked="" type="checkbox"/> Special <input type="checkbox"/>			State Samples Collected In <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/> PA <input type="checkbox"/> WV <input type="checkbox"/> FL other _____			
Name: Stonybrook SA ID: _____																									
Date:	Time	Relinquished By / Company Name				Received By / Company Name				EDDS: Format Type _____															
11-10-25	1700	1 angela MIN / ALS				2																			
11-11-25	1350	3 FedEx				4																			
		5				6																			
		7				8																			
		9				10																			

\* 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





### 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