

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

LAB CHRONICLE

OrderID:	Q3851	OrderDate:	12/12/2025 10:44:00 AM
Client:	ALS Environmental	Project:	ALS Middletown
Contact:	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	



SAMPLE DATA

Report of Analysis

Client:	ALS Environmental	Date Collected:	11/30/25 23:59
Project:	ALS Middletown	Date Received:	12/12/25
Client Sample ID:	MRS/NRS	SDG No.:	Q3851
Lab Sample ID:	Q3851-01	Matrix:	SOIL
		% Solid:	1.2

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

Report of Analysis

Client: ALS Environmental
Project: ALS Middletown
Client Sample ID: MRS/NRSDL
Lab Sample ID: Q3851-01DL

Date Collected: 11/30/25 23:59
Date Received: 12/12/25
SDG No.: Q3851
Matrix: 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

Report of Analysis

Client:	ALS Environmental	Date Collected:	11/30/25 23:59
Project:	ALS Middletown	Date Received:	12/12/25
Client Sample ID:	Delumper Feed	SDG No.:	Q3851
Lab Sample ID:	Q3851-02	Matrix:	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

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
Project: ALS Middletown
Client Sample ID: Delumper FeedDL
Lab Sample ID: Q3851-02DL

Date Collected: 11/30/25 23:59
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	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

Report of Analysis

Client:	ALS Environmental	Date Collected:	11/30/25 23:59
Project:	ALS Middletown	Date Received:	12/12/25
Client Sample ID:	Delumper FeedDL2	SDG No.:	Q3851
Lab Sample ID:	Q3851-02DL2	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

Report of Analysis

Client:	ALS Environmental	Date Collected:	11/30/25 23:59
Project:	ALS Middletown	Date Received:	12/12/25
Client Sample ID:	MIX	SDG No.:	Q3851
Lab Sample ID:	Q3851-03	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

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



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: ALS Environmental

SDG No.: Q3851

Project: ALS Middletown

RunNo.: LB138237

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.99	1	99	90-110	12/16/2025
Sample ID: CCV1 Ammonia as N	mg/L	1	1	100	90-110	12/16/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	12/16/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	12/16/2025
Sample ID: CCV4 Ammonia as N	mg/L	1	1	100	90-110	12/16/2025
Sample ID: CCV5 Ammonia as N	mg/L	1	1	100	90-110	12/16/2025

Initial and Continuing Calibration Blank Summary

Client: ALS Environmental

SDG No.: Q3851

Project: ALS Middletown

RunNo.: LB138237

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	12/16/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	12/16/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	12/16/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	12/16/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	12/16/2025
Sample ID: CCB5 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	12/16/2025

Preparation Blank Summary

Client: ALS Environmental

SDG No.: Q3851

Project: ALS Middletown

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	PB170957BL						
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	2.2	5	12/16/2025

Matrix Spike Summary

Client:	ALS Environmental	SDG No.:	Q3851
Project:	ALS Middletown	Sample ID:	Q3851-01
Client ID:	MRS/NRSMS	Percent Solids for Spike Sample:	1.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/Kg	75-125	17800	OR	13600	OR	4000	1	105		12/16/2025

Matrix Spike Summary

Client:	ALS Environmental	SDG No.:	Q3851
Project:	ALS Middletown	Sample ID:	Q3851-01
Client ID:	MRS/NRSMSD	Percent Solids for Spike Sample:	1.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/Kg	75-125	17900	OR	13600	OR	4000	1	108		12/16/2025

Duplicate Sample Summary

Client: ALS Environmental Project: ALS Middletown Client ID: MRS/NRSDUP	SDG No.: Q3851 Sample ID: Q3851-01 Percent Solids for Spike Sample: 1.2
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/Kg	+/-20	13600	OR	13700	OR	1	1		12/16/2025
Ammonia as N	mg/Kg	+/-20	13900	D	13900	D	2	0		12/16/2025

Duplicate Sample Summary

Client: ALS Environmental	SDG No.: Q3851
Project: ALS Middletown	Sample ID: Q3851-01
Client ID: MRS/NRSMSD	Percent Solids for Spike Sample: 1.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/Kg	+/-20	17800	OR	17900	OR	1	1		12/16/2025

Laboratory Control Sample Summary

Client: ALS Environmental

SDG No.: Q3851

Project: ALS Middletown

Run No.: LB138237

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170957BS							
Ammonia as N	mg/Kg	50	50.2		100	1	90-110	12/16/2025



RAW DATA

66138237

Test results

Aquakem 7.2AQ1

Page:

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

12/16/2025 13:49

Reviewed by : RM

Instrument ID : Konelab

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.985	0.0	0.208	
ICB1	0.016	0.0	0.016	
CCV1	0.996	0.0	0.210	
CCB1	0.012	0.0	0.016	
RL CHECK	0.087	0.0	0.030	
PB170958BL	0.017	0.0	0.017	
PB170958BS	1.002	0.0	0.211	
Q3877-05	0.192	0.0	0.051	
Q3877-05DUP	0.197	0.0	0.052	
Q3877-05MS	0.995	0.0	0.210	
Q3877-05MSD	0.998	0.0	0.210	
PB170957BL	0.018	0.0	0.017	
PB170957BS	1.005	0.0	0.211	
Q3851-01	3.403	0.0	0.684	Test limit high
CCV2	1.009	0.0	0.212	
CCB2	0.016	0.0	0.017	
Q3851-01DUP	3.419	0.0	0.687	Test limit high
Q3851-01MS	4.447	0.0	0.890	Test limit high
Q3851-01MSD	4.461	0.0	0.893	Test limit high
Q3851-02	30.861	0.0	6.097	Init abs., Test limit hig
Q3851-03	6.211	0.0	1.238	Test limit high
CCV3	1.033	0.0	0.217	
CCB3	0.017	0.0	0.017	
Q3851-01DLX2	1.728	0.0	0.354	
Q3851-01DUPDLX2	1.729	0.0	0.354	
Q3851-02DLX20	2.543	0.0	0.515	Test limit high
Q3851-03DLX5	1.160	0.0	0.242	
CCV4	1.002	0.0	0.211	
CCB4	0.015	0.0	0.016	
Q3851-02DL2X40	1.268	0.0	0.263	
CCV5	1.032	0.0	0.217	
CCB5	0.015	0.0	0.016	

87% (50-150)

12/16/2025
RM

N 32
Mean 2.247
SD 5.4418
CV% 242.23

Aquakem v. 7.2AQ1

Results from time period:

Tue Dec 16 10:49:24 2025

Tue Dec 16 13:46:57 2025

Sample Id	Sam/Ctr/c	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-† P		0.02	mg/l	12/16/2025 10:49:24	
0.1PPM	A	Ammonia-† P		0.1106	mg/l	12/16/2025 10:49:25	
0.2PPM	A	Ammonia-† P		0.203	mg/l	12/16/2025 10:49:26	
0.4PPM	A	Ammonia-† P		0.399	mg/l	12/16/2025 10:49:27	
1.0PPM	A	Ammonia-† P		0.9754	mg/l	12/16/2025 10:49:28	
1.3PPM	A	Ammonia-† P		1.2746	mg/l	12/16/2025 10:49:29	
2.0PPM	A	Ammonia-† P		2.0509	mg/l	12/16/2025 10:49:30	
ICV1	S	Ammonia-† P		0.985	mg/l	12/16/2025 12:21:17	
ICB1	S	Ammonia-† P		0.0157	mg/l	12/16/2025 12:21:18	
CCV1	S	Ammonia-† P		0.996	mg/l	12/16/2025 12:21:20	
CCB1	S	Ammonia-† P		0.0119	mg/l	12/16/2025 12:21:22	
RL CHECK	S	Ammonia-† P		0.0868	mg/l	12/16/2025 12:21:25	
PB170958BL	S	Ammonia-† P		0.0173	mg/l	12/16/2025 12:32:01	
PB170958BS	S	Ammonia-† P		1.0022	mg/l	12/16/2025 12:32:02	
Q3877-05	S	Ammonia-† P		0.1918	mg/l	12/16/2025 12:32:05	
Q3877-05DUP	S	Ammonia-† P		0.1965	mg/l	12/16/2025 12:32:06	
Q3877-05MS	S	Ammonia-† P		0.9953	mg/l	12/16/2025 12:32:10	
Q3877-05MSD	S	Ammonia-† P		0.9983	mg/l	12/16/2025 12:32:11	
PB170957BL	S	Ammonia-† P		0.0179	mg/l	12/16/2025 12:42:42	
PB170957BS	S	Ammonia-† P		1.0049	mg/l	12/16/2025 12:42:44	
Q3851-01	S	Ammonia-† P		3.4031	mg/l	12/16/2025 12:42:46	
CCV2	S	Ammonia-† P		1.0091	mg/l	12/16/2025 12:42:48	
CCB2	S	Ammonia-† P		0.0165	mg/l	12/16/2025 12:42:51	
Q3851-01DUP	S	Ammonia-† P		3.4191	mg/l	12/16/2025 12:42:52	
Q3851-01MS	S	Ammonia-† P		4.4472	mg/l	12/16/2025 12:52:16	
Q3851-01MSD	S	Ammonia-† P		4.4613	mg/l	12/16/2025 12:52:17	
Q3851-02	S	Ammonia-† P		30.8607	mg/l	12/16/2025 12:52:20	
Q3851-03	S	Ammonia-† P		6.2111	mg/l	12/16/2025 12:52:21	
CCV3	S	Ammonia-† P		1.0327	mg/l	12/16/2025 12:52:23	
CCB3	S	Ammonia-† P		0.0171	mg/l	12/16/2025 12:52:25	
Q3851-01DLX2	S	Ammonia-† P		1.7285	mg/l	12/16/2025 13:22:29	
Q3851-01DUPDLX2	S	Ammonia-† P		1.7291	mg/l	12/16/2025 13:22:32	
Q3851-02DLX20	S	Ammonia-† P		2.5426	mg/l	12/16/2025 13:22:33	
Q3851-03DLX5	S	Ammonia-† P		1.1596	mg/l	12/16/2025 13:22:35	
CCV4	S	Ammonia-† P		1.0017	mg/l	12/16/2025 13:22:37	
CCB4	S	Ammonia-† P		0.0149	mg/l	12/16/2025 13:22:40	
Q3851-02DL2X40	S	Ammonia-† P		1.2678	mg/l	12/16/2025 13:46:52	
CCV5	S	Ammonia-† P		1.032	mg/l	12/16/2025 13:46:55	
CCB5	S	Ammonia-† P		0.0155	mg/l	12/16/2025 13:46:57	

Calibration results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

12/16/2025 11:21

Reviewed by : RM

Instrument ID : Konelab

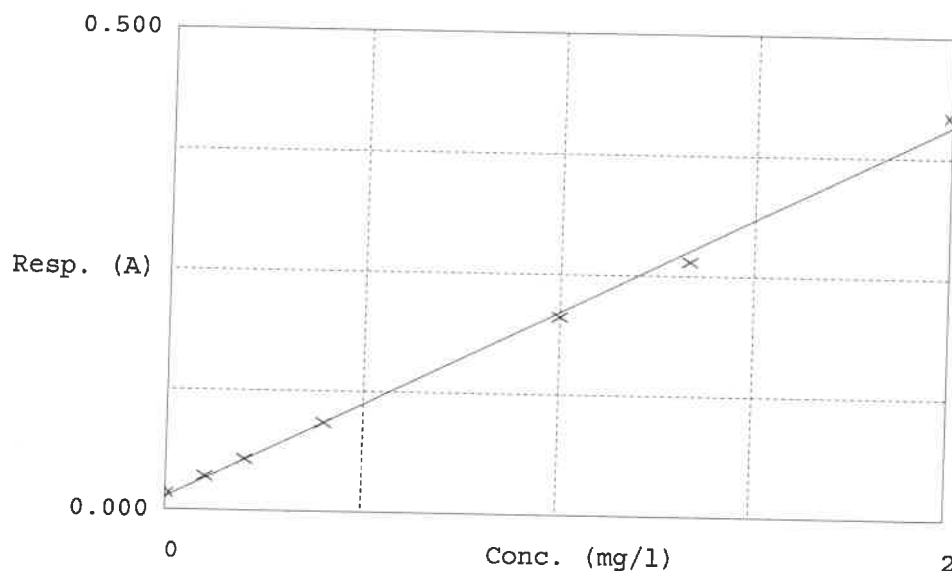
Test Ammonia-N

Accepted 12/16/2025 11:21

Factor 5.073
Bias 0.013

Coeff. of det. 0.997877

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.017	0.0200	0.0000	-
2	NH3-2PPM	0.035	0.1106	0.1000	10.6
3	NH3-2PPM	0.053	0.2030	0.2000	1.5
4	NH3-2PPM	0.092	0.3990	0.4000	-0.3
5	NH3-2PPM	0.206	0.9754	1.0000	-2.5
6	NH3-2PPM	0.265	1.2746	1.3333	-2.0
7	NH3-2PPM	0.418	2.0509	2.0000	2.5

12/16/2025
RM

SOP ID : MSM4500-NH3 B,G-Ammonia-18

SDG No : N/A

Start Digest Date: 12/16/2025 Time : 10:35 Temp : 150 °C

Matrix : SOIL

End Digest Date: 12/16/2025 Time : 11:35 Temp : 160 °C

Pipette ID : WC

Balance ID : M SC-4

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature:

Weigh By : RM

pH Meter ID : N/A

Supervisor Signature:

Standardized Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP116133
MS/MSD SPIKE SOL.	1.0ML	WP116132
RL CHECK	N/A	AS PER PB170958
PBS003	50.0ML	W3112
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP113886
NAOH 6N	0.5-2.0ML	WP113887
H2SO4 0.04N	5.0ML	WP115336
pH strip-Ammonia	N/A	W3133
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP114104,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/16/2025 11:50	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170957BL	PBS957	1.00	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB170957BS	LCS957	1.00	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3851-01MS	MRS/NRSMS	1.04	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3851-01MSD	MRS/NRSMDS	1.04	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3851-01DUP	MRS/NRSDUP	1.04	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3851-01	MRS/NRS	1.04	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3851-02	DELUMPER FEED	1.03	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3851-03	MIX	1.03	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : ammonia-3851

WorkList ID : 193680

Department : Distillation

Date : 12-15-2025 16:47:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3851-01	MRS/NRS	Solid	Ammonia	Cool 4 deg C	ALSE01	G11	11/30/2025	SM4500-NH3
Q3851-02	Delumper Feed	Solid	Ammonia	Cool 4 deg C	ALSE01	G11	11/30/2025	SM4500-NH3
Q3851-03	MIX	Solid	Ammonia	Cool 4 deg C	ALSE01	G11	11/30/2025	SM4500-NH3

Date/Time 12/16/2025 12.25
 Raw Sample Received by: RH 12/16/25
 Raw Sample Relinquished by: JPL 12/16/25

Date/Time 12/16/2025 11.40
 Raw Sample Received by: JPL 12/16/25
 Raw Sample Relinquished by: RH 12/16/25

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB138237

Review By	rubina	Review On	12/16/2025 4:39:37 PM
Supervise By		Supervise On	
SubDirectory	LB138237	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP116134		
ICV Standard	WP116136		
CCV Standard	WP116135		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP116133		
Chk Standard	WP115821,WP114133,WP113929,WP114132		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	12/16/25 10:49		rubina	OK
2	0.1PPM	0.1PPM	CAL2	12/16/25 10:49		rubina	OK
3	0.2PPM	0.2PPM	CAL3	12/16/25 10:49		rubina	OK
4	0.4PPM	0.4PPM	CAL4	12/16/25 10:49		rubina	OK
5	1.0PPM	1.0PPM	CAL5	12/16/25 10:49		rubina	OK
6	1.3PPM	1.3PPM	CAL6	12/16/25 10:49		rubina	OK
7	2.0PPM	2.0PPM	CAL7	12/16/25 10:49		rubina	OK
8	ICV1	ICV1	ICV	12/16/25 12:21		rubina	OK
9	ICB1	ICB1	ICB	12/16/25 12:21		rubina	OK
10	CCV1	CCV1	CCV	12/16/25 12:21		rubina	OK
11	CCB1	CCB1	CCB	12/16/25 12:21		rubina	OK
12	RL	RL	SAM	12/16/25 12:21		rubina	OK
13	PB170958BL	PB170958BL	MB	12/16/25 12:32		rubina	OK
14	PB170958BS	PB170958BS	LCS	12/16/25 12:32		rubina	OK
15	Q3877-05	COMPOSITE	SAM	12/16/25 12:32		rubina	OK
16	Q3877-05DUP	COMPOSITEDUP	DUP	12/16/25 12:32		rubina	OK
17	Q3877-05MS	COMPOSITEMS	MS	12/16/25 12:32		rubina	OK
18	Q3877-05MSD	COMPOSITEMSD	MSD	12/16/25 12:32		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB138237

Review By	rubina	Review On	12/16/2025 4:39:37 PM
Supervise By		Supervise On	
SubDirectory	LB138237	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP116134		
ICV Standard	WP116136		
CCV Standard	WP116135		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP116133		
Chk Standard	WP115821,WP114133,WP113929,WP114132		

19	PB170957BL	PB170957BL	MB	12/16/25 12:42		rubina	OK
20	PB170957BS	PB170957BS	LCS	12/16/25 12:42		rubina	OK
21	Q3851-01	MRS/NRS	SAM	12/16/25 12:42	High	rubina	Dilution
22	CCV2	CCV2	CCV	12/16/25 12:42		rubina	OK
23	CCB2	CCB2	CCB	12/16/25 12:42		rubina	OK
24	Q3851-01DUP	MRS/NRSDUP	DUP	12/16/25 12:42		rubina	OK
25	Q3851-01MS	MRS/NRSMMS	MS	12/16/25 12:52		rubina	OK
26	Q3851-01MSD	MRS/NRSMMSD	MSD	12/16/25 12:52		rubina	OK
27	Q3851-02	Delumper Feed	SAM	12/16/25 12:52	High	rubina	Dilution
28	Q3851-03	MIX	SAM	12/16/25 12:52	High	rubina	Dilution
29	CCV3	CCV3	CCV	12/16/25 12:52		rubina	OK
30	CCB3	CCB3	CCB	12/16/25 12:52		rubina	OK
31	Q3851-01DL	MRS/NRSDL	SAM	12/16/25 13:22	Report 2X	rubina	Confirms
32	Q3851-01DUPDL	MRS/NRSDUPDL	DUP	12/16/25 13:22	Report 2X	rubina	Confirms
33	Q3851-02DL	Delumper FeedDL	SAM	12/16/25 13:22	Still high	rubina	Dilution
34	Q3851-03DL	MIXDL	SAM	12/16/25 13:22	Report 5X	rubina	Confirms
35	CCV4	CCV4	CCV	12/16/25 13:22		rubina	OK
36	CCB4	CCB4	CCB	12/16/25 13:22		rubina	OK
37	Q3851-02DL2	Delumper FeedDL2	SAM	12/16/25 13:46	Report 40X	rubina	Confirms
38	CCV5	CCV5	CCV	12/16/25 13:46		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB138237

Review By	rubina	Review On	12/16/2025 4:39:37 PM
Supervise By		Supervise On	
SubDirectory	LB138237	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP116134		
ICV Standard	WP116136		
CCV Standard	WP116135		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP116133		
Chk Standard	WP115821,WP114133,WP113929,WP114132		

39	CCB5	CCB5	CCB	12/16/25 13:46		rubina	OK
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PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/16/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 12/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB138211

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3850-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3850-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3850-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3850-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3850-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3850-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3851-01	MRS/NRS	7	1.14	10.73	11.87	1.27	1.2	
Q3851-02	Delumper Feed	8	1.13	10.47	11.6	2.91	17.0	
Q3851-03	MIX	9	1.16	10.42	11.58	1.46	2.9	
Q3852-01	TK 9&10 12"	10	1.00	1.00	2.00	2.00	100.0	form sample
Q3852-02	AI COVE 11 12"	11	1.00	1.00	2.00	2.00	100.0	form sample
Q3852-03	AI COVE 15&16 12"	12	1.00	1.00	2.00	2.00	100.0	form sample
Q3852-04	TK 9&10 20"	13	1.00	1.00	2.00	2.00	100.0	form sample
Q3852-05	AI COVE 16 20"	14	1.00	1.00	2.00	2.00	100.0	form sample
Q3852-06	TK 7&8 20"	15	1.00	1.00	2.00	2.00	100.0	form sample
Q3853-01	TP01-MH11	16	1.12	11.52	12.64	11.04	86.1	
Q3853-02	TP01-MH11-VOC	17	1.15	11.07	12.22	10.63	85.6	
Q3853-03	TP01-MH11-EPH	18	1.16	11.57	12.73	10.72	82.6	
Q3854-01	ETGI-360	19	1.16	10.58	11.74	10.9	92.1	
Q3854-02	ETGI-360-E2	20	1.15	11.01	12.16	10.85	88.1	
Q3855-01	326	21	1.00	1.00	2.00	2.00	100.0	debris sample
Q3858-01	1211	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q3859-01	HD-02-121225	23	1.11	10.49	11.6	9.92	84.0	
Q3859-02	HD-02-121225-E2	24	1.14	10.61	11.75	10.00	83.5	
Q3860-01	MA-CONCRETE	25	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3861-01	EO-03-121225	26	1.13	10.58	11.71	10.92	92.5	
Q3861-02	EO-03-121225-E2	27	1.13	10.20	11.33	10.56	92.5	
Q3862-01	TP02-MH09-WC	28	1.13	11.27	12.4	10.97	87.3	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/16/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 12/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 12/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB138211

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q3862-02	TP02-MH09-VOC	29	1.11	10.24	11.35	9.55	82.4	
Q3862-03	TP02-MH09-EPH	30	1.13	10.24	11.37	9.61	82.8	
Q3862-04	TP02-MH09-WC	31	1.13	11.27	12.4	10.97	87.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

5732211

WorkList Name : %1-121225 WorkList ID : 193614 Department : Wet-Chemistry Date : 12-12-2025 08:06:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3850-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	12/05/2025	Chemtech -SO
Q3850-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	12/05/2025	Chemtech -SO
Q3850-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	12/05/2025	Chemtech -SO
Q3850-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	12/05/2025	Chemtech -SO
Q3850-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	12/05/2025	Chemtech -SO
Q3850-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	ALLI03	A11	12/05/2025	Chemtech -SO
Q3851-01	MRS/NRS	Solid	Percent Solids	Cool 4 deg C	ALSE01	G11	11/30/2025	Chemtech -SO
Q3851-02	Delumper Feed	Solid	Percent Solids	Cool 4 deg C	ALSE01	G11	11/30/2025	Chemtech -SO
Q3851-03	MIX	Solid	Percent Solids	Cool 4 deg C	ALSE01	G11	11/30/2025	Chemtech -SO
Q3852-01	TK 9&10 12"	Solid	Percent Solids	Cool 4 deg C	PACI01	G12	12/10/2025	Chemtech -SO
Q3852-02	AI COVE 11 12"	Solid	Percent Solids	Cool 4 deg C	PACI01	G12	12/10/2025	Chemtech -SO
Q3852-03	AI COVE 15&16 12"	Solid	Percent Solids	Cool 4 deg C	PACI01	G12	12/10/2025	Chemtech -SO
Q3852-04	TK 9&10 20"	Solid	Percent Solids	Cool 4 deg C	PACI01	G12	12/10/2025	Chemtech -SO
Q3852-05	AI COVE 16 20"	Solid	Percent Solids	Cool 4 deg C	PACI01	G12	12/10/2025	Chemtech -SO
Q3852-06	TK 7&8 20"	Solid	Percent Solids	Cool 4 deg C	PACI01	G12	12/10/2025	Chemtech -SO
Q3853-01	TP01-MH11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	12/12/2025	Chemtech -SO
Q3853-02	TP01-MH11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	12/12/2025	Chemtech -SO
Q3853-03	TP01-MH11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	12/12/2025	Chemtech -SO
Q3854-01	ETGI-360	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	12/12/2025	Chemtech -SO
Q3854-02	ETGI-360-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	12/12/2025	Chemtech -SO
Q3855-01	326	Solid	Percent Solids	Cool 4 deg C	PSEG03	H11	12/12/2025	Chemtech -SO

Date/Time 12-12-25 15:15
 Raw Sample Received by: JG WOC
 Raw Sample Relinquished by: RS LETA-Web

Date/Time 12-12-25 17:40
 Raw Sample Received by: RS LETA-Web
 Raw Sample Relinquished by: JG WOC

WORKLIST(Hardcopy Internal Chain)

87 138211

WorkList Name : %1-121225 WorkList ID : 193614 Department : Wet-Chemistry Date : 12-12-2025 08:06:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3858-01	1211	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	12/12/2025	Chemtech -SO
Q3859-01	HD-02-121225	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	12/12/2025	Chemtech -SO
Q3859-02	HD-02-121225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	12/12/2025	Chemtech -SO
Q3860-01	MA-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	12/12/2025	Chemtech -SO
Q3861-01	EO-03-121225	Solid	Percent Solids	Cool 4 deg C	PSEG05	H21	12/12/2025	Chemtech -SO
Q3861-02	EO-03-121225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H21	12/12/2025	Chemtech -SO
Q3862-01	TP02-MH09-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	12/11/2025	Chemtech -SO
Q3862-02	TP02-MH09-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	12/11/2025	Chemtech -SO
Q3862-03	TP02-MH09-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	12/11/2025	Chemtech -SO
Q3862-04	TP02-MH09-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	12/11/2025	Chemtech -SO

Date/Time 12-12-25 13115
 Raw Sample Received by: 88 WJC
 Raw Sample Relinquished by: R3 (ETA-646)

Date/Time 12-12-25 17160
 Raw Sample Received by: R3 (ETA-646)
 Raw Sample Relinquished by: 88 WJC



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 3851	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: _____ WV Containers 0-6°C Y N NA			
Phone#: 717-944-5541			Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No													Deviations? NO YES			
Project Name#: 3444816			ANALYSIS / METHOD REQUESTED													Sample Custody Seal Intact Y N NA		If YES, list below:	
Bill To: Same			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		Client contact: Date/Tech: _____	
Purchase Order #: 40-3444816																COOLERS & SAMPLES INTACT Y N			
TAT ☐ Normal-Standard TAT is 10-12 business days. ☒ Rush-Subject to ALS approval and surcharges.																Correct Containers Provided Y N			
Date Required: 12/17/2025																Sample Label/COC Agree Y N			
Email? ☒ namdt.subcontract@alsglobal.com																Adequate Sample Volumes Y N			
																VOA only: Trip Blank Y N NA			
																NJ ≤ 4 days? Y N			
																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.		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						
													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.													☒ Standard Lvl 1 ☐ CLP-like ☐ HSCA		State Samples Collected In	
Name: Stonybrook SA ID: _____																☐ Standard Lvl 2 ☐ DOD ☐ Landfill		☐ NY	
Date: _____ Time: _____																☐ Standard Lvl 3 ☐ NJ RED ☐ NJ GW		☐ NJ	
																☐ Standard Lvl 4 ☐ NJ Full ☐ _____		☒ NJ	
																☐ Excel Summary Sample Disposal		☐ PA	
																☐ Equis Lab ☒		☐ WV	
																☐ Custom Special ☐		☐ FL	
																EDDS: _____ Format Type _____		other _____	

*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

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