Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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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LAB CHRONICLE

OrderID:	Q3259	**OrderDate:**	10/1/2025 10:59:00 AM
Client:	ATG - AKRON LAB	**Project:**	PO 25061955
Contact:	Jennifer Woolf	**Location:**	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3259-01	**25092166-001**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 12:48	
Q3259-02	**25092166-002**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 12:56	
Q3259-03	**25092166-003**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 12:56	
Q3259-04	**25092166-004**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 12:56	
Q3259-05	**25092166-005**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 12:56	
Q3259-06	**25092166-006**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 12:56	
Q3259-07	**25092166-007**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 12:56	

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LAB CHRONICLE

Q3259-08	**25092166-008**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 12:56	
Q3259-09	**25092166-009**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:03	
Q3259-10	**25092166-010**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:03	
Q3259-11	**25092166-012**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:03	
Q3259-12	**25092166-013**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:03	
Q3259-13	**25092166-014**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:03	
Q3259-14	**25092166-015**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:03	
Q3259-15	**25092166-016**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:04	
Q3259-16	**25092166-017**	**SOIL**			**09/30/25 00:00**			**10/01/25**

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			Cyanide	9012B		10/01/25	10/02/25 13:11	
Q3259-17	**25092166-018**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:11	
Q3259-18	**25092166-019**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:11	
Q3259-19	**25092166-021**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:11	
Q3259-20	**25092166-022**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:11	
Q3259-21	**25092166-023**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:11	
Q3259-22	**25092166-024**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:19	
Q3259-23	**25092166-025**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:19	
Q3259-24	**25092166-026**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:19	

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Q3259-25	**25092166-027**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:19	
Q3259-26	**25092166-028**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:19	
Q3259-27	**25092166-031**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:19	
Q3259-28	**25092166-032**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:19	
Q3259-29	**25092166-035**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:26	
Q3259-30	**25092166-036**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:26	
Q3259-31	**25092166-037**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:26	
Q3259-32	**25092166-039**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:26	
Q3259-33	**25092166-040**	**SOIL**			**09/30/25 00:00**			**10/01/25**

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			Cyanide	9012B		10/01/25	10/02/25 13:26	
Q3259-34	**25092166-041**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:26	
Q3259-35	**25092166-042**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:26	
Q3259-36	**25092166-043**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:34	
Q3259-37	**25092166-044**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:34	
Q3259-38	**25092166-045**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:34	
Q3259-39	**25092166-046**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 13:55	
Q3259-39DL	**25092166-046DL**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 14:23	
Q3259-40	**25092166-047**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/01/25	10/02/25 14:02	

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Q3259-41	**25092166-049**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:10	
Q3259-42	**25092166-050**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:18	
Q3259-43	**25092166-051**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:18	
Q3259-44	**25092166-052**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:18	
Q3259-45	**25092166-053**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:18	
Q3259-46	**25092166-054**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:18	
Q3259-47	**25092166-057**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:18	
Q3259-48	**25092166-058**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:18	
Q3259-48DL	**25092166-058DL**	**SOIL**			**09/30/25 00:00**			**10/01/25**

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			Cyanide	9012B		10/02/25	10/02/25 16:16	
Q3259-49	**25092166-059**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:25	
Q3259-50	**25092166-060**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:25	
Q3259-51	**25092166-061**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:25	
Q3259-52	**25092166-062**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:25	
Q3259-53	**25092166-064**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:25	
Q3259-54	**25092166-029**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:25	
Q3259-55	**25092166-030**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:31	
Q3259-56	**25092166-033**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:31	

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Q3259-57	**25092166-034**	**SOIL**			**09/30/25 00:00**			**10/01/25**
			Cyanide	9012B		10/02/25	10/02/25 15:31	

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SAMPLE DATA

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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-001	SDG No.:	Q3259
Lab Sample ID:	Q3259-01	Matrix:	SOIL
		% Solid:	82.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.30	mg/Kg	10/01/25 11:50	10/02/25 12:48	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-002	SDG No.:	Q3259
Lab Sample ID:	Q3259-02	Matrix:	SOIL
		% Solid:	81.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.050	U	1	0.050	0.30	mg/Kg	10/01/25 11:50	10/02/25 12:56	9012B

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.
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-003	SDG No.:	Q3259
Lab Sample ID:	Q3259-03	Matrix:	SOIL
		% Solid:	80.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	1.10		1	0.050	0.30	mg/Kg	10/01/25 11:50	10/02/25 12:56	9012B

Comments:

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time

J = Estimated Value
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-004	SDG No.:	Q3259
Lab Sample ID:	Q3259-04	Matrix:	SOIL
		% Solid:	78.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.29	J	1	0.053	0.31	mg/Kg	10/01/25 11:50	10/02/25 12:56	9012B

Comments:

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H = Sample Analysis Out Of Hold Time

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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-005	SDG No.:	Q3259
Lab Sample ID:	Q3259-05	Matrix:	SOIL
		% Solid:	78.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.50		1	0.052	0.31	mg/Kg	10/01/25 11:50	10/02/25 12:56	9012B

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
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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-006	SDG No.:	Q3259
Lab Sample ID:	Q3259-06	Matrix:	SOIL
		% Solid:	79.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.54		1	0.052	0.31	mg/Kg	10/01/25 11:50	10/02/25 12:56	9012B

Comments:

U = Not Detected
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LOD = Limit of Detection
D = Dilution
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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-007	SDG No.:	Q3259
Lab Sample ID:	Q3259-07	Matrix:	SOIL
		% Solid:	80.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	2.10		1	0.050	0.30	mg/Kg	10/01/25 11:50	10/02/25 12:56	9012B

Comments:

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LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time

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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-008	SDG No.:	Q3259
Lab Sample ID:	Q3259-08	Matrix:	SOIL
		% Solid:	80.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.050	U	1	0.050	0.30	mg/Kg	10/01/25 11:50	10/02/25 12:56	9012B

Comments:

U = Not Detected
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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-009	SDG No.:	Q3259
Lab Sample ID:	Q3259-09	Matrix:	SOIL
		% Solid:	80.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	2.80		1	0.051	0.31	mg/Kg	10/01/25 11:50	10/02/25 13:03	9012B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-010	SDG No.:	Q3259
Lab Sample ID:	Q3259-10	Matrix:	SOIL
		% Solid:	80

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.30	mg/Kg	10/01/25 11:50	10/02/25 13:03	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-012	SDG No.:	Q3259
Lab Sample ID:	Q3259-11	Matrix:	SOIL
		% Solid:	77.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.90		1	0.053	0.32	mg/Kg	10/01/25 11:50	10/02/25 13:03	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-013	SDG No.:	Q3259
Lab Sample ID:	Q3259-12	Matrix:	SOIL
		% Solid:	79.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.30	mg/Kg	10/01/25 11:50	10/02/25 13:03	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-014	SDG No.:	Q3259
Lab Sample ID:	Q3259-13	Matrix:	SOIL
		% Solid:	80.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.31	mg/Kg	10/01/25 11:50	10/02/25 13:03	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-015	SDG No.:	Q3259
Lab Sample ID:	Q3259-14	Matrix:	SOIL
		% Solid:	81

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.23	J	1	0.051	0.31	mg/Kg	10/01/25 11:50	10/02/25 13:03	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-016	SDG No.:	Q3259
Lab Sample ID:	Q3259-15	Matrix:	SOIL
		% Solid:	80.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.13	J	1	0.050	0.30	mg/Kg	10/01/25 11:50	10/02/25 13:04	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-017	SDG No.:	Q3259
Lab Sample ID:	Q3259-16	Matrix:	SOIL
		% Solid:	87.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.047	U	1	0.047	0.28	mg/Kg	10/01/25 11:50	10/02/25 13:11	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-018	SDG No.:	Q3259
Lab Sample ID:	Q3259-17	Matrix:	SOIL
		% Solid:	81.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.70		1	0.051	0.30	mg/Kg	10/01/25 11:50	10/02/25 13:11	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-019	SDG No.:	Q3259
Lab Sample ID:	Q3259-18	Matrix:	SOIL
		% Solid:	81.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.10	J	1	0.051	0.30	mg/Kg	10/01/25 11:50	10/02/25 13:11	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-021	SDG No.:	Q3259
Lab Sample ID:	Q3259-19	Matrix:	SOIL
		% Solid:	79.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.30	mg/Kg	10/01/25 11:50	10/02/25 13:11	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-022	SDG No.:	Q3259
Lab Sample ID:	Q3259-20	Matrix:	SOIL
		% Solid:	80.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.077	J	1	0.051	0.30	mg/Kg	10/01/25 11:50	10/02/25 13:11	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-023	SDG No.:	Q3259
Lab Sample ID:	Q3259-21	Matrix:	SOIL
		% Solid:	84.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.11	J	1	0.048	0.29	mg/Kg	10/01/25 13:45	10/02/25 13:11	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-024	SDG No.:	Q3259
Lab Sample ID:	Q3259-22	Matrix:	SOIL
		% Solid:	80.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:19	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-025	SDG No.:	Q3259
Lab Sample ID:	Q3259-23	Matrix:	SOIL
		% Solid:	80.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.050	U	1	0.050	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:19	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-026	SDG No.:	Q3259
Lab Sample ID:	Q3259-24	Matrix:	SOIL
		% Solid:	84.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.049	U	1	0.049	0.29	mg/Kg	10/01/25 13:45	10/02/25 13:19	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-027	SDG No.:	Q3259
Lab Sample ID:	Q3259-25	Matrix:	SOIL
		% Solid:	81.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.050	U	1	0.050	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:19	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-028	SDG No.:	Q3259
Lab Sample ID:	Q3259-26	Matrix:	SOIL
		% Solid:	80.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.052	U	1	0.052	0.31	mg/Kg	10/01/25 13:45	10/02/25 13:19	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-031	SDG No.:	Q3259
Lab Sample ID:	Q3259-27	Matrix:	SOIL
		% Solid:	80

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.11	J	1	0.051	0.31	mg/Kg	10/01/25 13:45	10/02/25 13:19	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-032	SDG No.:	Q3259
Lab Sample ID:	Q3259-28	Matrix:	SOIL
		% Solid:	81.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.082	J	1	0.050	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:19	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-035	SDG No.:	Q3259
Lab Sample ID:	Q3259-29	Matrix:	SOIL
		% Solid:	87.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.76		1	0.046	0.28	mg/Kg	10/01/25 13:45	10/02/25 13:26	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-036	SDG No.:	Q3259
Lab Sample ID:	Q3259-30	Matrix:	SOIL
		% Solid:	79.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.057	J	1	0.051	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:26	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-037	SDG No.:	Q3259
Lab Sample ID:	Q3259-31	Matrix:	SOIL
		% Solid:	80.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.073	J	1	0.051	0.31	mg/Kg	10/01/25 13:45	10/02/25 13:26	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-039	SDG No.:	Q3259
Lab Sample ID:	Q3259-32	Matrix:	SOIL
		% Solid:	78.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.097	J	1	0.052	0.31	mg/Kg	10/01/25 13:45	10/02/25 13:26	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-040	SDG No.:	Q3259
Lab Sample ID:	Q3259-33	Matrix:	SOIL
		% Solid:	80.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.073	J	1	0.051	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:26	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-041	SDG No.:	Q3259
Lab Sample ID:	Q3259-34	Matrix:	SOIL
		% Solid:	81.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.33		1	0.051	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:26	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-042	SDG No.:	Q3259
Lab Sample ID:	Q3259-35	Matrix:	SOIL
		% Solid:	90.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.16	J	1	0.045	0.27	mg/Kg	10/01/25 13:45	10/02/25 13:26	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-043	SDG No.:	Q3259
Lab Sample ID:	Q3259-36	Matrix:	SOIL
		% Solid:	84.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.36		1	0.049	0.29	mg/Kg	10/01/25 13:45	10/02/25 13:34	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-044	SDG No.:	Q3259
Lab Sample ID:	Q3259-37	Matrix:	SOIL
		% Solid:	81.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.28	J	1	0.050	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:34	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-045	SDG No.:	Q3259
Lab Sample ID:	Q3259-38	Matrix:	SOIL
		% Solid:	84.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.39		1	0.048	0.29	mg/Kg	10/01/25 13:45	10/02/25 13:34	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-046	SDG No.:	Q3259
Lab Sample ID:	Q3259-39	Matrix:	SOIL
		% Solid:	80.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	148	OR	1	0.050	0.30	mg/Kg	10/01/25 13:45	10/02/25 13:55	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-046DL	SDG No.:	Q3259
Lab Sample ID:	Q3259-39DL	Matrix:	SOIL
		% Solid:	80.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	135	D	10	0.50	3.00	mg/Kg	10/01/25 13:45	10/02/25 14:23	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-047	SDG No.:	Q3259
Lab Sample ID:	Q3259-40	Matrix:	SOIL
		% Solid:	80.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.36		1	0.052	0.31	mg/Kg	10/01/25 13:45	10/02/25 14:02	9012B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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
* = 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

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-049	SDG No.:	Q3259
Lab Sample ID:	Q3259-41	Matrix:	SOIL
		% Solid:	86.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.091	J	1	0.047	0.28	mg/Kg	10/02/25 08:00	10/02/25 15:10	9012B

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
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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

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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-050	SDG No.:	Q3259
Lab Sample ID:	Q3259-42	Matrix:	SOIL
		% Solid:	81.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	15.1		1	0.049	0.29	mg/Kg	10/02/25 08:00	10/02/25 15:18	9012B

Comments:

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LOQ = Limit of Quantitation
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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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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-051	SDG No.:	Q3259
Lab Sample ID:	Q3259-43	Matrix:	SOIL
		% Solid:	79.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.063	J	1	0.053	0.31	mg/Kg	10/02/25 08:00	10/02/25 15:18	9012B

Comments:

U = Not Detected
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
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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-052	SDG No.:	Q3259
Lab Sample ID:	Q3259-44	Matrix:	SOIL
		% Solid:	82.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.060	J	1	0.049	0.29	mg/Kg	10/02/25 08:00	10/02/25 15:18	9012B

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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
* = 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

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-053	SDG No.:	Q3259
Lab Sample ID:	Q3259-45	Matrix:	SOIL
		% Solid:	80.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.052	U	1	0.052	0.31	mg/Kg	10/02/25 08:00	10/02/25 15:18	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-054	SDG No.:	Q3259
Lab Sample ID:	Q3259-46	Matrix:	SOIL
		% Solid:	80.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.30	mg/Kg	10/02/25 08:00	10/02/25 15:18	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-057	SDG No.:	Q3259
Lab Sample ID:	Q3259-47	Matrix:	SOIL
		% Solid:	79.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	1.30		1	0.051	0.30	mg/Kg	10/02/25 08:00	10/02/25 15:18	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-058	SDG No.:	Q3259
Lab Sample ID:	Q3259-48	Matrix:	SOIL
		% Solid:	78.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	38.4	OR	1	0.052	0.31	mg/Kg	10/02/25 08:00	10/02/25 15:18	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-058DL	SDG No.:	Q3259
Lab Sample ID:	Q3259-48DL	Matrix:	SOIL
		% Solid:	78.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	36.6	D	2	0.10	0.62	mg/Kg	10/02/25 08:00	10/02/25 16:16	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-059	SDG No.:	Q3259
Lab Sample ID:	Q3259-49	Matrix:	SOIL
		% Solid:	89.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.13	J	1	0.045	0.27	mg/Kg	10/02/25 08:00	10/02/25 15:25	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-060	SDG No.:	Q3259
Lab Sample ID:	Q3259-50	Matrix:	SOIL
		% Solid:	84.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	J	1	0.049	0.29	mg/Kg	10/02/25 08:00	10/02/25 15:25	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-061	SDG No.:	Q3259
Lab Sample ID:	Q3259-51	Matrix:	SOIL
		% Solid:	79.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	3.90		1	0.052	0.31	mg/Kg	10/02/25 08:00	10/02/25 15:25	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-062	SDG No.:	Q3259
Lab Sample ID:	Q3259-52	Matrix:	SOIL
		% Solid:	80.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.19	J	1	0.052	0.31	mg/Kg	10/02/25 08:00	10/02/25 15:25	9012B

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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Fax : 908 789 8922

Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-064	SDG No.:	Q3259
Lab Sample ID:	Q3259-53	Matrix:	SOIL
		% Solid:	85.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.091	J	1	0.047	0.28	mg/Kg	10/02/25 08:00	10/02/25 15:25	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-029	SDG No.:	Q3259
Lab Sample ID:	Q3259-54	Matrix:	SOIL
		% Solid:	82.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	J	1	0.050	0.30	mg/Kg	10/02/25 08:00	10/02/25 15:25	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-030	SDG No.:	Q3259
Lab Sample ID:	Q3259-55	Matrix:	SOIL
		% Solid:	79.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.052	U	1	0.052	0.31	mg/Kg	10/02/25 08:00	10/02/25 15:31	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-033	SDG No.:	Q3259
Lab Sample ID:	Q3259-56	Matrix:	SOIL
		% Solid:	82.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.049	U	1	0.049	0.29	mg/Kg	10/02/25 08:00	10/02/25 15:31	9012B

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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Report of Analysis

Client:	ATG - AKRON LAB	Date Collected:	09/30/25 00:00
Project:	PO 25061955	Date Received:	10/01/25
Client Sample ID:	25092166-034	SDG No.:	Q3259
Lab Sample ID:	Q3259-57	Matrix:	SOIL
		% Solid:	79.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.30	mg/Kg	10/02/25 08:00	10/02/25 15:31	9012B

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

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Initial and Continuing Calibration Verification

Client: ATG - AKRON LAB **SDG No.:** Q3259

Project: PO 25061955 **RunNo.:** LB137396

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.095	0.099	96	90-110	10/02/2025
Sample ID:	CCV1						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV2						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV3						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV4						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV5						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV6						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV7						
Cyanide		mg/L	0.25	0.25	100	90-110	10/02/2025
Sample ID:	CCV8						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025

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Initial and Continuing Calibration Verification

Client: ATG - AKRON LAB **SDG No.:** Q3259

Project: PO 25061955 **RunNo.:** LB137405

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.092	0.099	93	90-110	10/02/2025
Sample ID:	CCV1						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV2						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV3						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV4						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025
Sample ID:	CCV5						
Cyanide		mg/L	0.24	0.25	96	90-110	10/02/2025

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Initial and Continuing Calibration Blank Summary

Client: ATG - AKRON LAB **SDG No.:** Q3259

Project: PO 25061955 **RunNo.:** LB137396

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB4							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB5							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB6							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB7							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB8							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025

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Initial and Continuing Calibration Blank Summary

Client: ATG - AKRON LAB **SDG No.:** Q3259

Project: PO 25061955 **RunNo.:** LB137405

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB4							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025
Sample ID:	CCB5							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/02/2025

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Preparation Blank Summary

Client: ATG - AKRON LAB **SDG No.:** Q3259

Project: PO 25061955

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB169942BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.042	0.25	10/02/2025
Sample ID: PB169943BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.042	0.25	10/02/2025
Sample ID: PB169944BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.042	0.25	10/02/2025

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Matrix Spike Summary

Client: ATG - AKRON LAB
SDG No.: Q3259
Project: PO 25061955
Sample ID: Q3259-01
Client ID: 25092166-001MS
Percent Solids for Spike Sample: 82.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.20		0.051	U	2.4	1	92		10/02/2025

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Matrix Spike Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-001MSD

SDG No.: Q3259
Sample ID: Q3259-01
Percent Solids for Spike Sample: 82.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.20		0.051	U	2.4	1	92		10/02/2025

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Matrix Spike Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-023MS

SDG No.: Q3259
Sample ID: Q3259-21
Percent Solids for Spike Sample: 84.3

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.20		0.11	J	2.3	1	91		10/02/2025

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Matrix Spike Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-023MSD
SDG No.: Q3259
Sample ID: Q3259-21
Percent Solids for Spike Sample: 84.3

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.20		0.11	J	2.3	1	91		10/02/2025

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Matrix Spike Summary

Client: ATG - AKRON LAB
SDG No.: Q3259
Project: PO 25061955
Sample ID: Q3259-41
Client ID: 25092166-049MS
Percent Solids for Spike Sample: 86.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.20		0.091	J	2.2	1	96		10/02/2025

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Matrix Spike Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-049MSD

SDG No.: Q3259
Sample ID: Q3259-41
Percent Solids for Spike Sample: 86.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.20		0.091	J	2.3	1	92		10/02/2025

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Duplicate Sample Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-001DUP
SDG No.: Q3259
Sample ID: Q3259-01
Percent Solids for Spike Sample: 82.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.051	U	0.051	U	1	0		10/02/2025

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Duplicate Sample Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-001MSD
SDG No.: Q3259
Sample ID: Q3259-01
Percent Solids for Spike Sample: 82.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.20		2.20		1	0		10/02/2025

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Duplicate Sample Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-023DUP
SDG No.: Q3259
Sample ID: Q3259-21
Percent Solids for Spike Sample: 84.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.11	J	0.10	J	1	10		10/02/2025

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Duplicate Sample Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-023MSD
SDG No.: Q3259
Sample ID: Q3259-21
Percent Solids for Spike Sample: 84.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.20		2.20		1	0		10/02/2025

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Duplicate Sample Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-049DUP
SDG No.: Q3259
Sample ID: Q3259-41
Percent Solids for Spike Sample: 86.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.091	J	0.088	J	1	3		10/02/2025

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Duplicate Sample Summary

Client: ATG - AKRON LAB
Project: PO 25061955
Client ID: 25092166-049MSD
SDG No.: Q3259
Sample ID: Q3259-41
Percent Solids for Spike Sample: 86.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.20		2.20		1	0		10/02/2025

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Laboratory Control Sample Summary

Client:	ATG - AKRON LAB	**SDG No.:**	Q3259
Project:	PO 25061955	**Run No.:**	LB137396

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB169942BS**								
Cyanide	mg/Kg	5	4.80		96	1	85-115	10/02/2025

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Laboratory Control Sample Summary

Client:	ATG - AKRON LAB	**SDG No.:**	Q3259
Project:	PO 25061955	**Run No.:**	LB137396

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB169943BS**								
Cyanide	mg/Kg	5	4.80		96	1	85-115	10/02/2025

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Laboratory Control Sample Summary

Client:	ATG - AKRON LAB	**SDG No.:**	Q3259
Project:	PO 25061955	**Run No.:**	LB137405

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB169944BS**								
Cyanide	mg/Kg	5	4.80		96	1	85-115	10/02/2025

RAW DATA

LB137396

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM | Instrument ID : Konelab

10/2/2025 14:24

Test: Total CN

Sample Id	Result	Dil.	1 +	Response	Errors
ICV1	95.181	0.0		0.086	
ICB1	0.254	0.0		0.001	
CCV1	240.840	0.0		0.217	
CCB1	0.177	0.0		0.001	
PB169942BL	0.138	0.0		0.001	
PB169942BS	95.171	0.0		0.086	
LOWPB169942	9.873	0.0		0.009	
HIGHPB169942	481.374	0.0		0.432	
Q3259-01	0.647	0.0		0.001	
Q3259-01DUP	0.470	0.0		0.001	
Q3259-01MS	37.514	0.0		0.034	
Q3259-01MSD	36.554	0.0		0.033	
Q3259-02	0.492	0.0		0.001	
Q3259-03	17.626	0.0		0.016	
CCV2	239.130	0.0		0.215	
CCB2	0.428	0.0		0.001	
Q3259-04	4.700	0.0		0.005	
Q3259-05	8.170	0.0		0.008	
Q3259-06	8.621	0.0		0.008	
Q3259-07	34.974	0.0		0.032	
Q3259-08	0.297	0.0		0.001	
Q3259-09	46.057	0.0		0.042	
Q3259-10	0.429	0.0		0.001	
Q3259-11	14.098	0.0		0.013	
Q3259-12	-0.094	0.0		0.001	
Q3259-13	0.068	0.0		0.001	
CCV3	240.570	0.0		0.216	
CCB3	0.600	0.0		0.001	
Q3259-14	3.761	0.0		0.004	
Q3259-15	2.132	0.0		0.003	
Q3259-16	0.044	0.0		0.001	
Q3259-17	11.526	0.0		0.011	
Q3259-18	1.701	0.0		0.002	
Q3259-19	0.190	0.0		0.001	
Q3259-20	1.258	0.0		0.002	
PB169943BL	0.103	0.0		0.001	
PB169943BS	96.690	0.0		0.087	
Q3259-21	1.932	0.0		0.002	
CCV4	240.513	0.0		0.216	
CCB4	0.523	0.0		0.001	
Q3259-21DUP	1.731	0.0		0.002	
Q3259-21MS	38.074	0.0		0.035	
Q3259-21MSD	38.316	0.0		0.035	
Q3259-22	-0.264	0.0		0.000	
Q3259-23	0.327	0.0		0.001	
Q3259-24	0.220	0.0		0.001	
Q3259-25	0.348	0.0		0.001	
Q3259-26	0.383	0.0		0.001	
Q3259-27	1.844	0.0		0.002	
Q3259-28	1.389	0.0		0.002	
CCV5	238.552	0.0		0.215	
CCB5	0.565	0.0		0.001	
Q3259-29	13.700	0.0		0.013	
Q3259-30	0.928	0.0		0.001	
Q3259-31	1.199	0.0		0.002	

98% (90—110) 10/02/2025 RM
96% 90—110)

lb137396

Test results | Aquakem 7.2AQ1 | Page: 2

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM | Instrument ID : Konelab

10/2/2025 14:24

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
Q3259-32	1.578	0.0	0.002	
Q3259-33	1.196	0.0	0.002	
Q3259-34	5.398	0.0	0.005	
Q3259-35	3.039	0.0	0.003	
Q3259-36	6.123	0.0	0.006	
Q3259-37	4.774	0.0	0.005	
Q3259-38	6.808	0.0	0.007	
CCV6	241.455	0.0	0.217	
CCB6	0.710	0.0	0.001	
Q3259-39	2462.423	0.0	2.208	Test limit high
Q3259-40	5.767	0.0	0.006	
CCV7	247.844	0.0	0.223	
CCB7	0.684	0.0	0.001	
Q3259-39DLX10	225.013	0.0	0.202	
CCV8	244.907	0.0	0.220	
CCB8	0.141	0.0	0.001	

N	71
Mean	81.266
SD	301.9529
CV%	371.56

Aquakem v. 7.2AQ1
Results from time period:
Thu Oct 02 11:55:04 2025
Thu Oct 02 14:23:54 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	0.1509	µg/l	10/2/2025 11:55:04	
5.0PPBCN	A	Total CN	P	5.0124	µg/l	10/2/2025 11:55:05	
10PPBCN	A	Total CN	P	10.1718	µg/l	10/2/2025 11:55:06	
50PPBCN	A	Total CN	P	47.3393	µg/l	10/2/2025 11:55:07	
100PPBCN	A	Total CN	P	101.4885	µg/l	10/2/2025 11:55:08	
250PPBCN	A	Total CN	P	251.7446	µg/l	10/2/2025 11:55:09	
500PPBCN	A	Total CN	P	499.0925	µg/l	10/2/2025 11:55:10	
ICV1	S	Total CN	P	95.1815	µg/l	10/2/2025 12:41:06	
ICB1	S	Total CN	P	0.2541	µg/l	10/2/2025 12:41:07	
CCV1	S	Total CN	P	240.8402	µg/l	10/2/2025 12:41:09	
CCB1	S	Total CN	P	0.1775	µg/l	10/2/2025 12:41:12	
PB169942BL	S	Total CN	P	0.1383	µg/l	10/2/2025 12:41:13	
PB169942BS	S	Total CN	P	95.1708	µg/l	10/2/2025 12:41:15	
LOWPB169942	S	Total CN	P	9.8731	µg/l	10/2/2025 12:48:43	
HIGHPB169942	S	Total CN	P	481.3737	µg/l	10/2/2025 12:48:44	
Q3259-01	S	Total CN	P	0.6474	µg/l	10/2/2025 12:48:47	
Q3259-01DUP	S	Total CN	P	0.4696	µg/l	10/2/2025 12:48:49	
Q3259-01MS	S	Total CN	P	37.5142	µg/l	10/2/2025 12:48:50	
Q3259-01MSD	S	Total CN	P	36.5543	µg/l	10/2/2025 12:48:51	
Q3259-02	S	Total CN	P	0.4919	µg/l	10/2/2025 12:56:18	
Q3259-03	S	Total CN	P	17.6259	µg/l	10/2/2025 12:56:19	
CCV2	S	Total CN	P	239.1305	µg/l	10/2/2025 12:56:20	
CCB2	S	Total CN	P	0.4278	µg/l	10/2/2025 12:56:21	
Q3259-04	S	Total CN	P	4.6997	µg/l	10/2/2025 12:56:22	
Q3259-05	S	Total CN	P	8.17	µg/l	10/2/2025 12:56:23	
Q3259-06	S	Total CN	P	8.621	µg/l	10/2/2025 12:56:24	
Q3259-07	S	Total CN	P	34.9741	µg/l	10/2/2025 12:56:25	
Q3259-08	S	Total CN	P	0.297	µg/l	10/2/2025 12:56:26	
Q3259-09	S	Total CN	P	46.0567	µg/l	10/2/2025 13:03:50	
Q3259-10	S	Total CN	P	0.4294	µg/l	10/2/2025 13:03:51	
Q3259-11	S	Total CN	P	14.0976	µg/l	10/2/2025 13:03:52	
Q3259-12	S	Total CN	P	-0.0938	µg/l	10/2/2025 13:03:53	
Q3259-13	S	Total CN	P	0.0678	µg/l	10/2/2025 13:03:54	
CCV3	S	Total CN	P	240.57	µg/l	10/2/2025 13:03:57	
CCB3	S	Total CN	P	0.5999	µg/l	10/2/2025 13:03:58	
Q3259-14	S	Total CN	P	3.7606	µg/l	10/2/2025 13:03:59	
Q3259-15	S	Total CN	P	2.1325	µg/l	10/2/2025 13:04:00	
Q3259-16	S	Total CN	P	0.0441	µg/l	10/2/2025 13:11:25	
Q3259-17	S	Total CN	P	11.5261	µg/l	10/2/2025 13:11:26	

Q3259-18	S	Total CN	P	1.7014 µg/l	10/2/2025 13:11:27
Q3259-19	S	Total CN	P	0.1897 µg/l	10/2/2025 13:11:28
Q3259-20	S	Total CN	P	1.2584 µg/l	10/2/2025 13:11:29
PB169943BL	S	Total CN	P	0.1029 µg/l	10/2/2025 13:11:30
PB169943BS	S	Total CN	P	96.6895 µg/l	10/2/2025 13:11:31
Q3259-21	S	Total CN	P	1.9322 µg/l	10/2/2025 13:11:32
CCV4	S	Total CN	P	240.5128 µg/l	10/2/2025 13:11:33
CCB4	S	Total CN	P	0.5231 µg/l	10/2/2025 13:11:34
Q3259-21DUP	S	Total CN	P	1.7311 µg/l	10/2/2025 13:11:35
Q3259-21MS	S	Total CN	P	38.0744 µg/l	10/2/2025 13:19:00
Q3259-21MSD	S	Total CN	P	38.3163 µg/l	10/2/2025 13:19:01
Q3259-22	S	Total CN	P	-0.2641 µg/l	10/2/2025 13:19:04
Q3259-23	S	Total CN	P	0.3266 µg/l	10/2/2025 13:19:05
Q3259-24	S	Total CN	P	0.2196 µg/l	10/2/2025 13:19:06
Q3259-25	S	Total CN	P	0.3476 µg/l	10/2/2025 13:19:07
Q3259-26	S	Total CN	P	0.3831 µg/l	10/2/2025 13:19:08
Q3259-27	S	Total CN	P	1.8442 µg/l	10/2/2025 13:19:09
Q3259-28	S	Total CN	P	1.3892 µg/l	10/2/2025 13:19:10
CCV5	S	Total CN	P	238.5524 µg/l	10/2/2025 13:26:37
CCB5	S	Total CN	P	0.5646 µg/l	10/2/2025 13:26:38
Q3259-29	S	Total CN	P	13.7003 µg/l	10/2/2025 13:26:39
Q3259-30	S	Total CN	P	0.9278 µg/l	10/2/2025 13:26:40
Q3259-31	S	Total CN	P	1.199 µg/l	10/2/2025 13:26:41
Q3259-32	S	Total CN	P	1.5782 µg/l	10/2/2025 13:26:42
Q3259-33	S	Total CN	P	1.1955 µg/l	10/2/2025 13:26:43
Q3259-34	S	Total CN	P	5.3979 µg/l	10/2/2025 13:26:44
Q3259-35	S	Total CN	P	3.0389 µg/l	10/2/2025 13:26:45
Q3259-36	S	Total CN	P	6.1234 µg/l	10/2/2025 13:34:07
Q3259-37	S	Total CN	P	4.7736 µg/l	10/2/2025 13:34:08
Q3259-38	S	Total CN	P	6.8084 µg/l	10/2/2025 13:34:09
CCV6	S	Total CN	P	241.455 µg/l	10/2/2025 13:34:12
CCB6	S	Total CN	P	0.7103 µg/l	10/2/2025 13:34:17
Q3259-39	S	Total CN	P	2462.423 µg/l	10/2/2025 13:55:28
Q3259-40	S	Total CN	P	5.7671 µg/l	10/2/2025 14:02:26
CCV7	S	Total CN	P	247.8437 µg/l	10/2/2025 14:02:27
CCB7	S	Total CN	P	0.6842 µg/l	10/2/2025 14:02:28
Q3259-39DLX10	S	Total CN	P	225.0129 µg/l	10/2/2025 14:23:50
CCV8	S	Total CN	P	244.9074 µg/l	10/2/2025 14:23:52
CCB8	S	Total CN	P	0.141 µg/l	10/2/2025 14:23:54

Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

10/2/2025 11:58

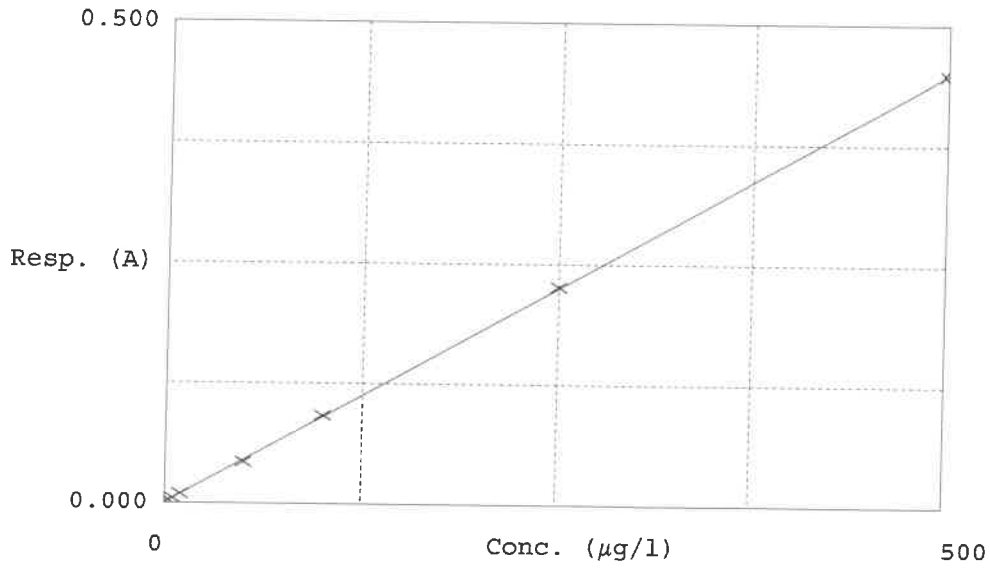
Test Total CN

Accepted 10/2/2025 11:58

Factor 1115
Bias 0.001

Coeff. of det. 0.999936

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	0.1509	0.0000	-
2	5.0PPBCN	0.005	5.0124	5.0000	0.2
3	10PPBCN	0.010	10.1718	10.0000	1.7
4	50PPBCN	0.043	47.3393	50.0000	-5.3
5	100PPBCN	0.092	101.4885	100.0000	1.5
6	250PPBCN	0.226	251.7446	250.0000	0.7
7	500PPBCN	0.448	499.0925	500.0000	-0.2

10/02/2025
RM

LB137405

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM | Instrument ID : Konelab

10/2/2025 16:18

Test: Total CN

Sample Id	Result	Dil.	1 +	Response	Errors
ICV1	92.363	0.0		0.083	
ICB1	0.236	0.0		0.001	
CCV1	235.320	0.0		0.212	
CCB1	0.195	0.0		0.001	
PB169944BL	0.244	0.0		0.001	
PB169944BS	95.710	0.0		0.086	
LOWPB169944	9.468	0.0		0.009	94% (90—110)
HIGHPB169944	479.188	0.0		0.430	
Q3259-41	1.622	0.0		0.002	95% (90—110) 10/02/2025 RM
Q3259-41DUP	1.558	0.0		0.002	
Q3259-41MS	38.608	0.0		0.035	
Q3259-41MSD	38.661	0.0		0.035	
Q3259-42	257.244	0.0		0.231	
Q3259-43	1.002	0.0		0.002	
CCV2	237.974	0.0		0.214	
CCB2	0.126	0.0		0.001	
Q3259-44	1.031	0.0		0.002	
Q3259-45	0.506	0.0		0.001	
Q3259-46	0.163	0.0		0.001	
Q3259-47	21.462	0.0		0.020	
Q3259-48	616.714	0.0		0.554	
Q3259-49	2.334	0.0		0.003	
Q3259-50	0.868	0.0		0.001	
Q3259-51	63.974	0.0		0.058	
Q3259-52	3.096	0.0		0.003	
Q3259-53	1.612	0.0		0.002	
CCV3	235.080	0.0		0.211	
CCB3	0.582	0.0		0.001	
Q3259-54	3.278	0.0		0.004	
Q3259-55	0.075	0.0		0.001	
Q3259-56	0.107	0.0		0.001	
Q3259-57	0.035	0.0		0.001	
CCV4	241.667	0.0		0.217	
CCB4	0.321	0.0		0.001	
Q3259-48DLX2	293.923	0.0		0.264	
CCV5	244.447	0.0		0.220	
CCB5	0.182	0.0		0.001	

N	37
Mean	87.053
SD	148.4090
CV%	170.48

Aquakem v. 7.2AQ1
Results from time period:
Thu Oct 02 15:02:57 2025
Thu Oct 02 16:16:57 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	0.1509	µg/l	10/2/2025 11:55:04	
5.0PPBCN	A	Total CN	P	5.0124	µg/l	10/2/2025 11:55:05	
10PPBCN	A	Total CN	P	10.1718	µg/l	10/2/2025 11:55:06	
50PPBCN	A	Total CN	P	47.3393	µg/l	10/2/2025 11:55:07	
100PPBCN	A	Total CN	P	101.4885	µg/l	10/2/2025 11:55:08	
250PPBCN	A	Total CN	P	251.7446	µg/l	10/2/2025 11:55:09	
500PPBCN	A	Total CN	P	499.0925	µg/l	10/2/2025 11:55:10	
ICV1	S	Total CN	P	92.3635	µg/l	10/2/2025 15:02:58	
ICB1	S	Total CN	P	0.2361	µg/l	10/2/2025 15:02:59	
CCV1	S	Total CN	P	235.3197	µg/l	10/2/2025 15:03:02	
CCB1	S	Total CN	P	0.1954	µg/l	10/2/2025 15:03:04	
PB169944BL	S	Total CN	P	0.2437	µg/l	10/2/2025 15:03:05	
PB169944BS	S	Total CN	P	95.7099	µg/l	10/2/2025 15:03:07	
LOWPB169944	S	Total CN	P	9.4676	µg/l	10/2/2025 15:10:34	
HIGHPB169944	S	Total CN	P	479.1879	µg/l	10/2/2025 15:10:37	
Q3259-41	S	Total CN	P	1.6224	µg/l	10/2/2025 15:10:39	
Q3259-41DUP	S	Total CN	P	1.5581	µg/l	10/2/2025 15:10:41	
Q3259-41MS	S	Total CN	P	38.6082	µg/l	10/2/2025 15:10:42	
Q3259-41MSD	S	Total CN	P	38.661	µg/l	10/2/2025 15:10:43	
Q3259-42	S	Total CN	P	257.2444	µg/l	10/2/2025 15:18:08	
Q3259-43	S	Total CN	P	1.0018	µg/l	10/2/2025 15:18:09	
CCV2	S	Total CN	P	237.9738	µg/l	10/2/2025 15:18:12	
CCB2	S	Total CN	P	0.1261	µg/l	10/2/2025 15:18:13	
Q3259-44	S	Total CN	P	1.0313	µg/l	10/2/2025 15:18:14	
Q3259-45	S	Total CN	P	0.5062	µg/l	10/2/2025 15:18:15	
Q3259-46	S	Total CN	P	0.1633	µg/l	10/2/2025 15:18:16	
Q3259-47	S	Total CN	P	21.4625	µg/l	10/2/2025 15:18:17	
Q3259-48	S	Total CN	P	616.7135	µg/l	10/2/2025 15:18:18	
Q3259-49	S	Total CN	P	2.3341	µg/l	10/2/2025 15:25:11	
Q3259-50	S	Total CN	P	0.8683	µg/l	10/2/2025 15:25:12	
Q3259-51	S	Total CN	P	63.9738	µg/l	10/2/2025 15:25:13	
Q3259-52	S	Total CN	P	3.0958	µg/l	10/2/2025 15:25:14	
Q3259-53	S	Total CN	P	1.6125	µg/l	10/2/2025 15:25:15	
CCV3	S	Total CN	P	235.0804	µg/l	10/2/2025 15:25:18	
CCB3	S	Total CN	P	0.5824	µg/l	10/2/2025 15:25:19	
Q3259-54	S	Total CN	P	3.2783	µg/l	10/2/2025 15:25:20	
Q3259-55	S	Total CN	P	0.0749	µg/l	10/2/2025 15:31:22	
Q3259-56	S	Total CN	P	0.1066	µg/l	10/2/2025 15:31:23	
Q3259-57	S	Total CN	P	0.0354	µg/l	10/2/2025 15:31:24	

CCV4	S	Total CN	P	241.6665 µg/l	10/2/2025 15:31:28
CCB4	S	Total CN	P	0.3205 µg/l	10/2/2025 15:31:29
Q3259-48DLX2	S	Total CN	P	293.9229 µg/l	10/2/2025 16:16:52
CCV5	S	Total CN	P	244.4465 µg/l	10/2/2025 16:16:55
CCB5	S	Total CN	P	0.1821 µg/l	10/2/2025 16:16:57

Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

10/2/2025 11:58

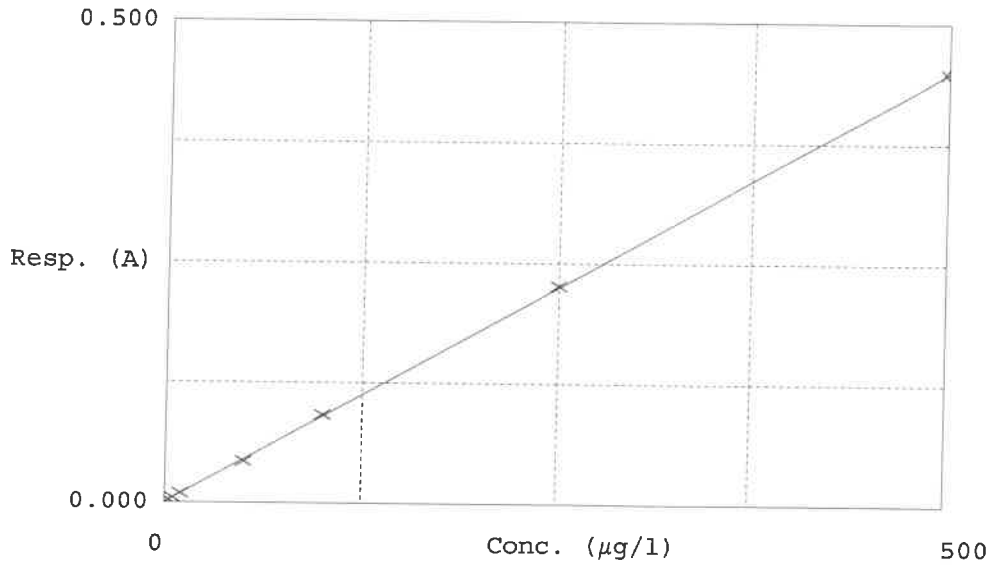
Test Total CN

Accepted 10/2/2025 11:58

Factor 1115
Bias 0.001

Coeff. of det. 0.999936

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	0.1509	0.0000	-
2	5.0PPBCN	0.005	5.0124	5.0000	0.2
3	10PPBCN	0.010	10.1718	10.0000	1.7
4	50PPBCN	0.043	47.3393	50.0000	-5.3
5	100PPBCN	0.092	101.4885	100.0000	1.5
6	250PPBCN	0.226	251.7446	250.0000	0.7
7	500PPBCN	0.448	499.0925	500.0000	-0.2

10/02/2025
RM

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB169942

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : JP

Start Digest Date: 10/01/2025 **Time :** 11:50 **Temp :** 123 °C

End Digest Date: 10/01/2025 **Time :** 13:20 **Temp :** 126 °C

1st batch 10/01/2025 13-45 123 C
10/01/2025 15-15 127 C

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: JP

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP113838
MS/MSD SPIKE SOL.	0.40ML	WP113837
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP112826
51% w/v MgCL2	2.0ML	WP112827
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3012
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	5.0ML	WP113837
LOWSTD	LOWSTD	0.1ML	WP113837

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/01/2025 15.30	JP / COC	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB169942

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169942BL	PBS942	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB169942BS	LCS942	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-01DUP	25092166-001DUP	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-01MS	25092166-001MS	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-01MSD	25092166-001MSD	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-01	25092166-001	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-02	25092166-002	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-03	25092166-003	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-04	25092166-004	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-05	25092166-005	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-06	25092166-006	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-07	25092166-007	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-08	25092166-008	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-09	25092166-009	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-10	25092166-010	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-11	25092166-012	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-12	25092166-013	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-13	25092166-014	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-14	25092166-015	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-15	25092166-016	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-16	25092166-017	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-17	25092166-018	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-18	25092166-019	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-19	25092166-021	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-20	25092166-022	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CN-Q3059- **WorkList ID :** 192215 **Department :** Distillation **Date :** 10-01-2025 11:04:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3259-21	25092166-023	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-22	25092166-024	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-23	25092166-025	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-24	25092166-026	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-25	25092166-027	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-26	25092166-028	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-27	25092166-031	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-28	25092166-032	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-29	25092166-035	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-30	25092166-036	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-31	25092166-037	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-32	25092166-039	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-33	25092166-040	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-34	25092166-041	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-35	25092166-042	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-36	25092166-043	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-37	25092166-044	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-38	25092166-045	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-39	25092166-046	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-40	25092166-047	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B

Date/Time 10/01/2025 11:15

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10/01/2025 16:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB169943

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : JP

Start Digest Date: 10/01/2025 **Time :** 13:45 **Temp :** 123 °C

End Digest Date: 10/01/2025 **Time :** 15:15 **Temp :** 127 °C

If both
10/01/2025 15.50 124 JP
10/01/2025 17.20 128 JP

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: JP

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP113838
MS/MSD SPIKE SOL.	0.40ML	WP113837
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP112826
51% w/v MgCL2	2.0ML	WP112827
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	N/A	AS PER PB169942
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	N/A	AS PER PB169942
LOWSTD	LOWSTD	N/A	AS PER PB169942

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/01/2025 17.35	JP / WC	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB169943

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169943BL	PBS943	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB169943BS	LCS943	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-21DUP	25092166-023DUP	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-21MS	25092166-023MS	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-21MSD	25092166-023MSD	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-21	25092166-023	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-22	25092166-024	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-23	25092166-025	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-24	25092166-026	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-25	25092166-027	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-26	25092166-028	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-27	25092166-031	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-28	25092166-032	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-29	25092166-035	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-30	25092166-036	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-31	25092166-037	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-32	25092166-039	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-33	25092166-040	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-34	25092166-041	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-35	25092166-042	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-36	25092166-043	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-37	25092166-044	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-38	25092166-045	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-39	25092166-046	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-40	25092166-047	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CN-Q3059 **WorkList ID :** 192214 **Department :** Distillation **Date :** 10-01-2025 11:04:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3259-01	25092166-001	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-02	25092166-002	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-03	25092166-003	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-04	25092166-004	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-05	25092166-005	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-06	25092166-006	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-07	25092166-007	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-08	25092166-008	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-09	25092166-009	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-10	25092166-010	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-11	25092166-012	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-12	25092166-013	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-13	25092166-014	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-14	25092166-015	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-15	25092166-016	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-16	25092166-017	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-17	25092166-018	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-18	25092166-019	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-19	25092166-021	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-20	25092166-022	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B

Date/Time 10/01/2025 11.15

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 10/01/2025 16.00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB169944

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : JP

Start Digest Date: 10/02/2025 **Time :** 08:00 **Temp :** 123 °C

End Digest Date: 10/02/2025 **Time :** 09:30 **Temp :** 127 °C

2 batch 10/02/2025 10:05 123c
10/02/2025 11:35 120c

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: JP

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP113838
MS/MSD SPIKE SOL.	0.40ML	WP113837
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP112826
51% w/v MgCL2	2.0ML	WP112827
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3012
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	5.0ML	WP113837
LOWSTD	LOWSTD	0.1ML	WP113837

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/02/2025 11:50	JP CCC	RM CCC
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB169944

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169944BL	PBS944	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB169944BS	LCS944	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-41DUP	25092166-049DUP	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-41MS	25092166-049MS	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-41MSD	25092166-049MSD	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-41	25092166-049	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-42	25092166-050	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-43	25092166-051	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-44	25092166-052	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-45	25092166-053	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-46	25092166-054	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-47	25092166-057	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-48	25092166-058	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-49	25092166-059	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-50	25092166-060	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-51	25092166-061	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-52	25092166-062	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-53	25092166-064	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-54	25092166-029	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-55	25092166-030	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-56	25092166-033	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3259-57	25092166-034	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CN-Q3059* **WorkList ID :** 192216 **Department :** Distillation **Date :** 10-01-2025 11:04:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3259-41	25092166-049	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-42	25092166-050	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-43	25092166-051	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-44	25092166-052	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-45	25092166-053	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-46	25092166-054	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-47	25092166-057	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-48	25092166-058	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-49	25092166-059	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-50	25092166-060	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-51	25092166-061	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-52	25092166-062	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-53	25092166-064	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-54	25092166-029	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-55	25092166-030	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-56	25092166-033	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B
Q3259-57	25092166-034	Solid	Cyanide	Cool 4 deg C	SUMM04	D31	09/30/2025	9012B

Date/Time 10/02/2025 07.25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10/02/2025 10.35

Raw Sample Received by:

Raw Sample Relinquished by:

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137396

Review By	rubina	Review On	10/2/2025 5:18:28 PM
Supervise By	Iwona	Supervise On	10/3/2025 9:40:35 AM
SubDirectory	LB137396	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115007,WP115008,WP115009,WP115010,WP115011,WP115012,WP115013
ICV Standard	W3012
CCV Standard	WP115008
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP115015

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/02/25 11:55		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/02/25 11:55		rubina	OK
3	10PPBCN	10PPBCN	CAL3	10/02/25 11:55		rubina	OK
4	50PPBCN	50PPBCN	CAL4	10/02/25 11:55		rubina	OK
5	100PPBCN	100PPBCN	CAL5	10/02/25 11:55		rubina	OK
6	250PPBCN	250PPBCN	CAL6	10/02/25 11:55		rubina	OK
7	500PPBCN	500PPBCN	CAL7	10/02/25 11:55		rubina	OK
8	ICV1	ICV1	ICV	10/02/25 12:41		rubina	OK
9	ICB1	ICB1	ICB	10/02/25 12:41		rubina	OK
10	CCV1	CCV1	CCV	10/02/25 12:41		rubina	OK
11	CCB1	CCB1	CCB	10/02/25 12:41		rubina	OK
12	PB169942BL	PB169942BL	MB	10/02/25 12:41		rubina	OK
13	PB169942BS	PB169942BS	LCS	10/02/25 12:41		rubina	OK
14	LOWPB169942	LOWPB169942	SAM	10/02/25 12:48		rubina	OK
15	HIGHPB169942	HIGHPB169942	SAM	10/02/25 12:48		rubina	OK
16	Q3259-01	25092166-001	SAM	10/02/25 12:48		rubina	OK
17	Q3259-01DUP	25092166-001DUP	DUP	10/02/25 12:48		rubina	OK
18	Q3259-01MS	25092166-001MS	MS	10/02/25 12:48		rubina	OK

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137396

Review By	rubina	Review On	10/2/2025 5:18:28 PM
Supervise By	Iwona	Supervise On	10/3/2025 9:40:35 AM
SubDirectory	LB137396	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115007,WP115008,WP115009,WP115010,WP115011,WP115012,WP115013
ICV Standard	W3012
CCV Standard	WP115008
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP115015

19	Q3259-01MSD	25092166-001MSD	MSD	10/02/25 12:48		rubina	OK
20	Q3259-02	25092166-002	SAM	10/02/25 12:56		rubina	OK
21	Q3259-03	25092166-003	SAM	10/02/25 12:56		rubina	OK
22	CCV2	CCV2	CCV	10/02/25 12:56		rubina	OK
23	CCB2	CCB2	CCB	10/02/25 12:56		rubina	OK
24	Q3259-04	25092166-004	SAM	10/02/25 12:56		rubina	OK
25	Q3259-05	25092166-005	SAM	10/02/25 12:56		rubina	OK
26	Q3259-06	25092166-006	SAM	10/02/25 12:56		rubina	OK
27	Q3259-07	25092166-007	SAM	10/02/25 12:56		rubina	OK
28	Q3259-08	25092166-008	SAM	10/02/25 12:56		rubina	OK
29	Q3259-09	25092166-009	SAM	10/02/25 13:03		rubina	OK
30	Q3259-10	25092166-010	SAM	10/02/25 13:03		rubina	OK
31	Q3259-11	25092166-012	SAM	10/02/25 13:03		rubina	OK
32	Q3259-12	25092166-013	SAM	10/02/25 13:03		rubina	OK
33	Q3259-13	25092166-014	SAM	10/02/25 13:03		rubina	OK
34	CCV3	CCV3	CCV	10/02/25 13:03		rubina	OK
35	CCB3	CCB3	CCB	10/02/25 13:03		rubina	OK
36	Q3259-14	25092166-015	SAM	10/02/25 13:03		rubina	OK
37	Q3259-15	25092166-016	SAM	10/02/25 13:04		rubina	OK
38	Q3259-16	25092166-017	SAM	10/02/25 13:11		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137396

Review By	rubina	Review On	10/2/2025 5:18:28 PM
Supervise By	Iwona	Supervise On	10/3/2025 9:40:35 AM
SubDirectory	LB137396	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115007,WP115008,WP115009,WP115010,WP115011,WP115012,WP115013
ICV Standard	W3012
CCV Standard	WP115008
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP115015

39	Q3259-17	25092166-018	SAM	10/02/25 13:11		rubina	OK
40	Q3259-18	25092166-019	SAM	10/02/25 13:11		rubina	OK
41	Q3259-19	25092166-021	SAM	10/02/25 13:11		rubina	OK
42	Q3259-20	25092166-022	SAM	10/02/25 13:11		rubina	OK
43	PB169943BL	PB169943BL	MB	10/02/25 13:11		rubina	OK
44	PB169943BS	PB169943BS	LCS	10/02/25 13:11		rubina	OK
45	Q3259-21	25092166-023	SAM	10/02/25 13:11		rubina	OK
46	CCV4	CCV4	CCV	10/02/25 13:11		rubina	OK
47	CCB4	CCB4	CCB	10/02/25 13:11		rubina	OK
48	Q3259-21DUP	25092166-023DUP	DUP	10/02/25 13:11		rubina	OK
49	Q3259-21MS	25092166-023MS	MS	10/02/25 13:19		rubina	OK
50	Q3259-21MSD	25092166-023MSD	MSD	10/02/25 13:19		rubina	OK
51	Q3259-22	25092166-024	SAM	10/02/25 13:19		rubina	OK
52	Q3259-23	25092166-025	SAM	10/02/25 13:19		rubina	OK
53	Q3259-24	25092166-026	SAM	10/02/25 13:19		rubina	OK
54	Q3259-25	25092166-027	SAM	10/02/25 13:19		rubina	OK
55	Q3259-26	25092166-028	SAM	10/02/25 13:19		rubina	OK
56	Q3259-27	25092166-031	SAM	10/02/25 13:19		rubina	OK
57	Q3259-28	25092166-032	SAM	10/02/25 13:19		rubina	OK
58	CCV5	CCV5	CCV	10/02/25 13:26		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137396

Review By	rubina	Review On	10/2/2025 5:18:28 PM
Supervise By	Iwona	Supervise On	10/3/2025 9:40:35 AM
SubDirectory	LB137396	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115007,WP115008,WP115009,WP115010,WP115011,WP115012,WP115013
ICV Standard	W3012
CCV Standard	WP115008
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP115015

59	CCB5	CCB5	CCB	10/02/25 13:26		rubina	OK
60	Q3259-29	25092166-035	SAM	10/02/25 13:26		rubina	OK
61	Q3259-30	25092166-036	SAM	10/02/25 13:26		rubina	OK
62	Q3259-31	25092166-037	SAM	10/02/25 13:26		rubina	OK
63	Q3259-32	25092166-039	SAM	10/02/25 13:26		rubina	OK
64	Q3259-33	25092166-040	SAM	10/02/25 13:26		rubina	OK
65	Q3259-34	25092166-041	SAM	10/02/25 13:26		rubina	OK
66	Q3259-35	25092166-042	SAM	10/02/25 13:26		rubina	OK
67	Q3259-36	25092166-043	SAM	10/02/25 13:34		rubina	OK
68	Q3259-37	25092166-044	SAM	10/02/25 13:34		rubina	OK
69	Q3259-38	25092166-045	SAM	10/02/25 13:34		rubina	OK
70	CCV6	CCV6	CCV	10/02/25 13:34		rubina	OK
71	CCB6	CCB6	CCB	10/02/25 13:34		rubina	OK
72	Q3259-39	25092166-046	SAM	10/02/25 13:55	CN is high, need dilution	rubina	Dilution
73	Q3259-40	25092166-047	SAM	10/02/25 14:02		rubina	OK
74	CCV7	CCV7	CCV	10/02/25 14:02		rubina	OK
75	CCB7	CCB7	CCB	10/02/25 14:02		rubina	OK
76	Q3259-39DL	25092166-046DL	SAM	10/02/25 14:23	10X For CN	rubina	Confirms
77	CCV8	CCV8	CCV	10/02/25 14:23		rubina	OK
78	CCB8	CCB8	CCB	10/02/25 14:23		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137405

Review By	rubina	Review On	10/2/2025 5:59:38 PM
Supervise By	Iwona	Supervise On	10/3/2025 9:40:42 AM
SubDirectory	LB137405	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115007,WP115008,WP115009,WP115010,WP115011,WP115012,WP115013
ICV Standard	W3012
CCV Standard	WP115008
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP115015

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/02/25 11:55		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/02/25 11:55		rubina	OK
3	10PPBCN	10PPBCN	CAL3	10/02/25 11:55		rubina	OK
4	50PPBCN	50PPBCN	CAL4	10/02/25 11:55		rubina	OK
5	100PPBCN	100PPBCN	CAL5	10/02/25 11:55		rubina	OK
6	250PPBCN	250PPBCN	CAL6	10/02/25 11:55		rubina	OK
7	500PPBCN	500PPBCN	CAL7	10/02/25 11:55		rubina	OK
8	ICV1	ICV1	ICV	10/02/25 15:02		rubina	OK
9	ICB1	ICB1	ICB	10/02/25 15:02		rubina	OK
10	CCV1	CCV1	CCV	10/02/25 15:03		rubina	OK
11	CCB1	CCB1	CCB	10/02/25 15:03		rubina	OK
12	PB169944BL	PB169944BL	MB	10/02/25 15:03		rubina	OK
13	PB169944BS	PB169944BS	LCS	10/02/25 15:03		rubina	OK
14	LOWPB169944	LOWPB169944	SAM	10/02/25 15:10		rubina	OK
15	HIGHPB169944	HIGHPB169944	SAM	10/02/25 15:10		rubina	OK
16	Q3259-41	25092166-049	SAM	10/02/25 15:10		rubina	OK
17	Q3259-41DUP	25092166-049DUP	DUP	10/02/25 15:10		rubina	OK
18	Q3259-41MS	25092166-049MS	MS	10/02/25 15:10		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137405

Review By	rubina	Review On	10/2/2025 5:59:38 PM
Supervise By	Iwona	Supervise On	10/3/2025 9:40:42 AM
SubDirectory	LB137405	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115007,WP115008,WP115009,WP115010,WP115011,WP115012,WP115013
ICV Standard	W3012
CCV Standard	WP115008
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP115015

19	Q3259-41MSD	25092166-049MSD	MSD	10/02/25 15:10		rubina	OK
20	Q3259-42	25092166-050	SAM	10/02/25 15:18		rubina	OK
21	Q3259-43	25092166-051	SAM	10/02/25 15:18		rubina	OK
22	CCV2	CCV2	CCV	10/02/25 15:18		rubina	OK
23	CCB2	CCB2	CCB	10/02/25 15:18		rubina	OK
24	Q3259-44	25092166-052	SAM	10/02/25 15:18		rubina	OK
25	Q3259-45	25092166-053	SAM	10/02/25 15:18		rubina	OK
26	Q3259-46	25092166-054	SAM	10/02/25 15:18		rubina	OK
27	Q3259-47	25092166-057	SAM	10/02/25 15:18		rubina	OK
28	Q3259-48	25092166-058	SAM	10/02/25 15:18	CN is high, need dilution	rubina	Dilution
29	Q3259-49	25092166-059	SAM	10/02/25 15:25		rubina	OK
30	Q3259-50	25092166-060	SAM	10/02/25 15:25		rubina	OK
31	Q3259-51	25092166-061	SAM	10/02/25 15:25		rubina	OK
32	Q3259-52	25092166-062	SAM	10/02/25 15:25		rubina	OK
33	Q3259-53	25092166-064	SAM	10/02/25 15:25		rubina	OK
34	CCV3	CCV3	CCV	10/02/25 15:25		rubina	OK
35	CCB3	CCB3	CCB	10/02/25 15:25		rubina	OK
36	Q3259-54	25092166-029	SAM	10/02/25 15:25		rubina	OK
37	Q3259-55	25092166-030	SAM	10/02/25 15:31		rubina	OK
38	Q3259-56	25092166-033	SAM	10/02/25 15:31		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137405

Review By	rubina	Review On	10/2/2025 5:59:38 PM
Supervise By	Iwona	Supervise On	10/3/2025 9:40:42 AM
SubDirectory	LB137405	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP115007,WP115008,WP115009,WP115010,WP115011,WP115012,WP115013
ICV Standard	W3012
CCV Standard	WP115008
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP115015

39	Q3259-57	25092166-034	SAM	10/02/25 15:31		rubina	OK
40	CCV4	CCV4	CCV	10/02/25 15:31		rubina	OK
41	CCB4	CCB4	CCB	10/02/25 15:31		rubina	OK
42	Q3259-48DL	25092166-058DL	SAM	10/02/25 16:16	2X For CN	rubina	Confirms
43	CCV5	CCV5	CCV	10/02/25 16:16		rubina	OK
44	CCB5	CCB5	CCB	10/02/25 16:16		rubina	OK

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Prep Standard - Chemical Standard Summary

Order ID : Q3259

Test : Cyanide,Percent Solids

Prepbatch ID : PB169942,PB169943,PB169944,

Sequence ID/Qc Batch ID: LB137396,LB137405,

Standard ID :
WP112643,WP112826,WP112827,WP113836,WP113837,WP113838,WP114324,WP115006,WP115007,WP115008,WP115009,WP115010,WP115011,WP115012,WP115013,WP115015,

Chemical ID :
M6041,M6151,W2668,W3012,W3019,W3112,W3113,W3139,W3152,W3203,W3214,W3224,

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
539	CN BUFFER	WP112643	04/09/2025	10/09/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 04/09/2025

FROM 138.00000gram of W2668 + 862.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1714	Sulfuric Acid, 50% (v/v)	WP112826	04/25/2025	10/25/2025	Rubina Mughal	None	None	Iwona Zarych 04/25/2025

FROM 1000.00000ml of M6041 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3214	Magnesium Chloride For Cyanide 2.5M(51%W/V)	WP112827	04/25/2025	10/25/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/25/2025

FROM 500.00000ml of W3112 + 510.00000gram of W3152 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
11	Sodium hydroxide absorbing solution 0.25 N	WP113836	07/08/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 07/08/2025

FROM 21.00000L of W3112 + 210.00000gram of W3113 = Final Quantity: 21.000 L

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3850	Cyanide MS-MSD spiking solution, 5PPM	WP113837	07/08/2025	11/30/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 07/08/2025

FROM 1.00000ml of W3214 + 199.00000ml of WP113836 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3371	Cyanide LCS Spike Solution, 5PPM	WP113838	07/08/2025	12/24/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 07/08/2025

FROM 1.00000ml of W3224 + 199.00000ml of WP113836 = Final Quantity: 200.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
607	PYRIDINE-BARBITURIC ACID	WP114324	08/19/2025	02/17/2026	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	Glass Pipette-A	Jignesh Parikh 08/19/2025

FROM 145.00000ml of W3112 + 15.00000gram of W3203 + 15.00000ml of M6151 + 75.00000ml of W3019 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3456	Cyanide Intermediate Working Std, 5PPM	WP115006	10/02/2025	10/03/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/02/2025

FROM 0.25000ml of W3214 + 49.75000ml of WP113836 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4	Calibation standard 500 ppb	WP115007	10/02/2025	10/03/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/02/2025

FROM 45.00000ml of WP113836 + 5.00000ml of WP115006 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3761	Calibration-CCV CN Standard 250 ppb	WP115008	10/02/2025	10/03/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/02/2025

FROM 2.50000ml of WP115006 + 47.50000ml of WP113836 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
6	Calibration Standard 100 ppb	WP115009	10/02/2025	10/03/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/02/2025

FROM 1.00000ml of WP115006 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
7	Calibration Standard 50 ppb	WP115010	10/02/2025	10/03/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/02/2025

FROM 0.50000ml of WP115006 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
8	Calibration Standard 10 ppb	WP115011	10/02/2025	10/03/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/02/2025

FROM 1.00000ml of WP115007 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
9	Calibration Standard 5 ppb	WP115012	10/02/2025	10/03/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/02/2025

FROM 0.50000ml of WP115007 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
167	0 ppb CN calibration std	WP115013	10/02/2025	10/03/2025	Rubina Mughal	None	None	Iwona Zarych 10/02/2025

FROM 50.00000ml of WP113836 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1582	Chloramine T solution, 0.014M	WP115015	10/02/2025	10/03/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	Glass Pipette-A	Iwona Zarych 10/02/2025

FROM 0.08000gram of W3139 + 20.00000ml of W3112 = Final Quantity: 20.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3818-5 / SODIUM PHOSPHATE, MONOBAS/HYD, CRYS, ACS, 2.5 KG	0000225799	12/03/2025	04/05/2021 / Alexander	02/10/2020 / apatel	W2668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	/ ICV-CN	ICV6-400	12/31/2025	01/08/2025 / Iwona	02/20/2020 / Iwona	W3012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	270970-1L / Pyridine 1L	SHBQ2113	04/03/2028	04/03/2023 / Iwona	04/03/2023 / Iwona	W3019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-7 / Sodium Hydroxide Pellets 12 Kg	23B1556310	12/31/2025	07/08/2024 / Iwona	07/08/2024 / Iwona	W3113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	JTE494-6 / CHLORAMINE-T BAKER 250GM	10239484	09/09/2029	09/09/2024 / Iwona	09/09/2024 / Iwona	W3139

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	01237-10KG / Megnasium Chloride Hexahydrate ACS 10KG	002126-2019-201	11/25/2029	11/25/2024 / Iwona	11/25/2024 / Iwona	W3152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-BX0035-3 / Barbituric Acid, 100 gms	WXBF3271V	05/16/2029	04/21/2025 / Iwona	04/21/2025 / Iwona	W3203

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	RC2543-4 / CYANIDE STD 1000PPM 4OZ	1505H73	11/30/2025	05/21/2025 / Iwona	05/21/2025 / Iwona	W3214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	LC135457 / Cyanide Standard, 1000 PPM, Second Source	45060288	12/24/2025	07/07/2025 / Iwona	07/07/2025 / Iwona	W3224

Sigma-Aldrich.

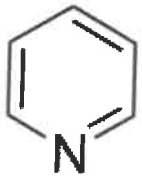
W3019
Rec 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Pyridine - anhydrous, 99.8%

Product Number:	**270970**
Batch Number:	**SHBQ2113**
Brand:	SIAL
CAS Number:	110-86-1
MDL Number:	MFCD00011732
Formula:	C5H5N
Formula Weight:	79.10 g/mol
Quality Release Date:	15 DEC 2022



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.75 %	99.99 %
Water (by Karl Fischer)	≤ 0.003 %	0.002 %
Residue on Evaporation	≤ 0.0005 %	< 0.0001 %

Larry Coers, Director
Quality Control
Sheboygan Falls, WI US

W3011
W3012
W3013
W3014
W3015

For ICP-MS use: dilute the ICV1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA: dilute the ICV5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide: dilute the ICV6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2520	504
Sb	1010	202
As	997	199
Ba	518	104
Be	514	103
Cd	514	103
Ca	10000	2000
Cr	517	103
Co	521	104
Cu	505	101
Fe	10100	2020
Pb	1030	206
Mg	5990	1198
Mn	524	105
Ni	525	105
K	9940	1988
Se	1030	206
Ag	252	50
Na	10100	2020
Tl	1040	208
V	504	101
Zn	1010	202

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M 6041-46
MS

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities - Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities - Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R→ 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities - Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities - Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Sodium Phosphate, Monobasic, Monohydrate,
Crystal
BAKER ANALYZED® A.C.S. Reagent

(sodium dihydrogen phosphate, monohydrate)

Material No.: 3818-05
Batch No.: 0000225799
Manufactured Date: 2018/12/05
Retest Date: 2025/12/03
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($NaH_2PO_4 \cdot H_2O$)	98.0 - 102.0 %	99.5
pH of 5% Solution at 25°C	4.1 - 4.5	4.3
Insoluble Matter	<= 0.01 %	< 0.01
Chloride (Cl)	<= 5 ppm	< 5
ACS - Sulfate (SO_4)	<= 0.003 %	< 0.003
Calcium (Ca)	<= 0.005 %	<0.005
Potassium (K)	<= 0.01 %	< 0.01
Heavy Metals (as Pb)	<= 0.001 %	< 0.001
Trace Impurities - Iron (Fe)	<= 0.001 %	< 0.001

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: IN
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE

Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: **0583**

Grade: **ACS GRADE**

Batch Number: **23B1556310**

Chemical Formula:	NaOH	Manufacture Date:	12/14/2022
Molecular Weight:	40	Expiration Date:	12/31/2025
CAS #:	1310-73-2		
Appearance:		Storage:	Room Temperature

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

ThermoFisher SCIENTIFIC

Certificate of Analysis

W3139 Received on 9/9/24 by IZ

Product No.:	A12044
Product:	Chloramine-T trihydrate, 98%
Lot No.:	10239484

Appearance:	White powder
Melting Point:	166°C(dec)
Assay (Iodometric titration):	100.5%
Identification (FTIR):	Conforms

W3152 Received on 11/25/24 by IZ

Chem-Impex International, Inc.

Tel: (630) 766-2112
Fax: (630) 766-2218
E-mail: sales@chemimpex.com
Web site: www.chemimpex.com
Shipping and Correspondence:
935 Dillon Drive
Wood Dale, IL 60191
Manufacturing site:
825 Dillon Drive
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01237
Lot Number	002126-2019-201
Product	**Magnesium chloride hexahydrate**
	Magnesium chloride•$6H_2O$
CAS Number	7791-18-6
Molecular Formula	$MgCl_2$•$6H_2O$
Molecular Weight	203.3

Appearance	White crystals
Solubility	167 g in 100 mL water
Melting Point	~ 115 °C
Heavy Metals	4.393 ppm
Anion	Nitrate (NO_3) : < 0.001% Phosphate (PO_4) : < 5 ppm Sulfate (SO_4) : < 0.002%
Cation	Ammonium (NH_4) : < 0.002% Barium (Ba) : 0.005% Calcium (Ca) : 0.01% Iron (Fe) : 4.5 ppm Manganese (Mn) : 0.624 ppm Potassium (K) : 0.004% Sodium (Na) : 0.000003% Strontium (Sr) : 0.005%
Insoluble material	0.0021%
Assay by titration	100.83%
Grade	ACS reagent
Storage	Store at RT

Certificate of Analysis

Catalog Number: 01237 **Lot Number: 002126-2019-201**

Remarks	See material safety data sheet for additional information
	For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

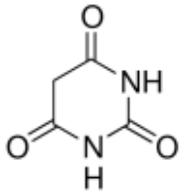
Bala Kumar
Quality Control Manager

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Barbituric acid - ReagentPlus® , 99%

Product Number:	**185698**
Batch Number:	**WXBF3271V**
Brand:	SIAL
CAS Number:	67-52-7
Formula:	C4H4N2O3
Formula Weight:	128,09 g/mol
Quality Release Date:	16 MAY 2024



Test	Specification	Result
Appearance (Colour)	White to Off-White	White
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms to Structure	Conforms
Purity (Titration by NaOH)	98.5 - 101.5 %	100.4 %
GC (area %) VPCT	≥ 98 %	100 %

Kang Chen
Quality Manager
Wuxi , China CN

RICCA CHEMICAL COMPANY®

W3214 Received on 5/21/25 by IZ

448 West Fork Dr
Arlington, TX 76012
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Cyanide Standard, 1000 ppm CN^-

Lot Number: 1505H73 **Product Number:** 2543

Manufacture Date: MAY 08, 2025
Expiration Date: NOV 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certifiec traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.
Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225 % (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent (from ACS)

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN^-)	995-1005 ppm	1000 ppm

Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-16	500 mL amber poly	6 months
2543-32	1 L amber poly	6 months
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

Ernest Mahan (05/08/2025)
Plant Manager

LabChem
Part of TCP Analytical Group
Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Cyanide Standard 1000 ppm (1ml = 1mg CN)

Product Code: **LC13545**

Manufacture Date: June 25, 2025

Lot Number: **45060288**

Expiration Date: December 24, 2025

Test	Specification	Result
Appearance (clarity)	clear solution	clear solution
Appearance (color)	colorless	colorless
Concentration (CN)	0.990 - 1.010mg/mL	1.000mg/mL
Concentration (CN)	990 - 1,010ppm	1,000ppm
Traceable to NIST SRM	Report	999b

Intended Use *- Product is intended for use in manufacturing procedures and laboratory procedures and protocols.*

Storage Information *- Unless noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.*

Instructions for Handling and Use - *Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.*

Preparation - *All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST*

The suffix of the product code may differ from what is on your product label. The suffix will designate the size and be associated with a numeric digit(s). Visit LabChem.com for more information

Suffix	1	2	3/3S/36/36S	4/4C	5	6	7	8	9	20	44	200	246	486
Size	500mL or g	1L or 1kg	2.5L/2.5L Coated/6x2.5L/6x2.5L Coated	4L	20L	10L	125mL	25g	100g	20x20mL	4x4L	200L	24x6mL	48x6mL

Michael Monteleone

Michael Monteleone
Chemistry Supervisor - Quality Control
2025070315:30:45ahoffman-0-0

ISO9001:2015 Registration #0306-01

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/7/2025

OVENTEMP IN Celsius(°C): 104
Time IN: 15:00
In Date: 10/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 10/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: & SOLIDS-OVEN

QC: LB137434

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
Q3259-01	25092166-001	1	1.11	9.49	10.6	8.9	82.1	
Q3259-02	25092166-002	2	1.14	9.36	10.5	8.78	81.6	
Q3259-03	25092166-003	3	1.11	9.36	10.47	8.68	80.9	
Q3259-04	25092166-004	4	1.14	10.16	11.3	9.11	78.4	
Q3259-05	25092166-005	5	1.19	10.41	11.6	9.4	78.9	
Q3259-06	25092166-006	6	1.16	10.44	11.6	9.48	79.7	
Q3259-07	25092166-007	7	1.16	10.59	11.75	9.65	80.2	
Q3259-08	25092166-008	8	1.13	9.42	10.55	8.69	80.3	
Q3259-09	25092166-009	9	1.13	10.50	11.63	9.61	80.8	
Q3259-10	25092166-010	10	1.19	10.10	11.29	9.27	80.0	
Q3259-11	25092166-012	11	1.13	10.72	11.85	9.41	77.2	
Q3259-12	25092166-013	12	1.13	9.80	10.93	8.95	79.8	
Q3259-13	25092166-014	13	1.13	10.74	11.87	9.74	80.2	
Q3259-14	25092166-015	14	1.13	10.23	11.36	9.42	81.0	
Q3259-15	25092166-016	15	1.13	10.34	11.47	9.5	80.9	
Q3259-16	25092166-017	16	1.13	10.72	11.85	10.55	87.9	
Q3259-17	25092166-018	17	1.13	10.34	11.47	9.55	81.4	
Q3259-18	25092166-019	18	1.16	10.13	11.29	9.42	81.5	
Q3259-19	25092166-021	19	1.16	10.58	11.74	9.61	79.9	
Q3259-20	25092166-022	20	1.13	10.09	11.22	9.25	80.5	
Q3259-21	25092166-023	21	1.13	10.72	11.85	10.17	84.3	
Q3259-22	25092166-024	22	1.15	10.83	11.98	9.91	80.9	
Q3259-23	25092166-025	23	1.15	10.59	11.74	9.66	80.4	
Q3259-24	25092166-026	24	1.13	10.72	11.85	10.21	84.7	
Q3259-25	25092166-027	25	1.13	10.34	11.47	9.57	81.6	
Q3259-26	25092166-028	26	1.13	10.74	11.87	9.78	80.5	
Q3259-27	25092166-031	27	1.13	10.83	11.96	9.79	80.0	
Q3259-28	25092166-032	28	1.13	10.61	11.74	9.75	81.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/7/2025

OVENTEMP IN Celsius(°C): 104
Time IN: 15:00
In Date: 10/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 10/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: & SOLIDS-OVEN

QC: LB137434

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
Q3259-29	25092166-035	29	1.13	10.49	11.62	10.28	87.2	
Q3259-30	25092166-036	30	1.19	10.39	11.58	9.47	79.7	
Q3259-31	25092166-037	31	1.14	10.60	11.74	9.65	80.3	
Q3259-32	25092166-039	32	1.13	10.43	11.56	9.3	78.3	
Q3259-33	25092166-040	33	1.13	10.61	11.74	9.7	80.8	
Q3259-34	25092166-041	34	1.13	10.89	12.02	10.04	81.8	
Q3259-35	25092166-042	35	1.13	10.61	11.74	10.73	90.5	
Q3259-36	25092166-043	36	1.13	10.72	11.85	10.18	84.4	
Q3259-37	25092166-044	37	1.16	10.20	11.36	9.47	81.5	
Q3259-38	25092166-045	38	1.15	10.32	11.47	9.85	84.3	
Q3259-39	25092166-046	39	1.13	10.72	11.85	9.73	80.2	
Q3259-40	25092166-047	40	1.13	10.56	11.69	9.61	80.3	
Q3259-41	25092166-049	41	1.13	10.80	11.93	10.43	86.1	
Q3259-42	25092166-050	42	1.16	10.56	11.72	9.79	81.7	
Q3259-43	25092166-051	43	1.15	10.56	11.71	9.51	79.2	
Q3259-44	25092166-052	44	1.13	10.43	11.56	9.69	82.1	
Q3259-45	25092166-053	45	1.17	10.65	11.82	9.76	80.7	
Q3259-46	25092166-054	46	1.13	10.50	11.63	9.57	80.4	
Q3259-47	25092166-057	47	1.13	10.34	11.47	9.38	79.8	
Q3259-48	25092166-058	48	1.19	10.44	11.63	9.41	78.7	
Q3259-49	25092166-059	49	1.16	10.71	11.87	10.77	89.7	
Q3259-50	25092166-060	50	1.13	10.42	11.55	9.9	84.2	
Q3259-51	25092166-061	51	1.19	10.55	11.74	9.58	79.5	
Q3259-52	25092166-062	52	1.16	10.42	11.58	9.56	80.6	
Q3259-53	25092166-064	53	1.13	10.61	11.74	10.18	85.3	
Q3259-54	25092166-029	54	1.19	10.37	11.56	9.71	82.2	
Q3259-55	25092166-030	55	1.13	10.61	11.74	9.55	79.4	
Q3259-56	25092166-033	56	1.13	10.61	11.74	9.86	82.3	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/7/2025

OVENTEMP IN Celsius(°C): 104
Time IN: 15:00
In Date: 10/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 10/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: & SOLIDS-OVEN

QC: LB137434

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
Q3259-57	25092166-034	57	1.13	10.45	11.58	9.44	79.5	

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

WORKLIST(Hardcopy Internal Chain)

WB137434

WorkList Name : %1-p3259 **WorkList ID :** 192249 **Department :** Wet-Chemistry **Date :** 10-02-2025 11:27:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3259-01	25092166-001	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-02	25092166-002	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-03	25092166-003	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-04	25092166-004	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-05	25092166-005	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-06	25092166-006	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-07	25092166-007	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-08	25092166-008	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-09	25092166-009	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-10	25092166-010	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-11	25092166-012	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-12	25092166-013	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-13	25092166-014	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-14	25092166-015	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-15	25092166-016	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-16	25092166-017	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-17	25092166-018	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-18	25092166-019	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-19	25092166-021	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-20	25092166-022	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-21	25092166-023	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO

Date/Time 10/03/25 14:40
Raw Sample Received by: SB CWC1
Raw Sample Relinquished by: RJ (Chem-lab)

Date/Time 10/03/25 17:40
Raw Sample Received by: RJ (Chem-lab)
Raw Sample Relinquished by: SB CWC1

WORKLIST(Hardcopy Internal Chain)

UB.137434

WorkList Name : %1-p3259 **WorkList ID :** 192249 **Department :** Wet-Chemistry **Date :** 10-02-2025 11:27:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3259-22	25092166-024	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-23	25092166-025	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-24	25092166-026	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-25	25092166-027	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-26	25092166-028	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-27	25092166-031	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-28	25092166-032	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-29	25092166-035	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-30	25092166-036	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-31	25092166-037	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-32	25092166-039	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-33	25092166-040	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-34	25092166-041	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-35	25092166-042	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-36	25092166-043	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-37	25092166-044	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-38	25092166-045	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-39	25092166-046	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-40	25092166-047	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-41	25092166-049	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-42	25092166-050	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO

Date/Time 10/03/25 14:40
Raw Sample Received by: SB (WC)
Raw Sample Relinquished by: RJ (Ext-lab)

Date/Time 10/03/25 17:20
Raw Sample Received by: RJ (Ext-lab)
Raw Sample Relinquished by: SB(WC)

WORKLIST(Hardcopy Internal Chain)

1137434

WorkList Name : %1-p3259 **WorkList ID :** 192249 **Department :** Wet-Chemistry **Date :** 10-02-2025 11:27:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3259-43	25092166-051	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-44	25092166-052	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-45	25092166-053	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-46	25092166-054	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-47	25092166-057	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-48	25092166-058	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-49	25092166-059	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-50	25092166-060	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-51	25092166-061	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-52	25092166-062	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-53	25092166-064	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-54	25092166-029	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-55	25092166-030	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-56	25092166-033	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO
Q3259-57	25092166-034	Solid	Percent Solids	Cool 4 deg C	SUMM04	D31	09/30/2025	Chemtech -SO

Date/Time 10/03/25 14:40
Raw Sample Received by: JD (WC)
Raw Sample Relinquished by: RJ (Ext-Lab)

Date/Time 10/03/25 17:20
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: JD (WC)

SHIPPING DOCUMENTS

DC-QACOC338 Rev. 5

Q3259 Effective Date: 2/12/2025

Alliance TECHNICAL GROUP
3310 Win Street
Cuyahoga Falls, Ohio 44223
(330) 253-8211

Analysis Request / Chain of Custody

https://www.alliancetg.com/services/environmental
https://scttek.com/

LAB WO NO.:	For Alliance Technical Group, LLC-Akron use only

Client Name	Project Identification
Client Street Address City State Zip	Project Street Address City State Zip
Client Phone	Report To
Contact Person: Jennifer Woolf	PO #: 25092166 / Quote Number
Client Email Address: jennifer.woolf@alliancetg.com	PWS ID / Facility ID
Sampled By (Print Name and Provide Signature) Print: Sign:	Reporting/Accreditation Requirements: Ohio VAP / Ohio EPA Pb, Cu Drinking Water Compliance / BUSTR
For DW only, results to be reported to state by lab? If yes, lab fee may apply: Y N	Other Compliance (List State/ Program): NECAP

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Total Cyanide									For DW Only: Special Compliance or Routine (S/R)
		25092166-001								X									
		25092166-002								X									
		25092166-003								X									
		25092166-004								X									
		25092166-005								X									
		25092166-006								X									
		25092166-007								X									
		25092166-008								X									
		25092166-009								X									
		25092166-010								X									

Relinquished by:	Date	Time	Received by:	Date	Time
	9/30/25	1520			

Notes / Comments:
EQUIS EFWEDD format for all samples - dry weight to be supplied by ATG-Akron

Sufficient volume for analysis? YES NO

Cooler? YES NO N/A

Received at ATG-Akron by:	Date	Time	Carrier
	10/1/25	10:25	2.1°C

Requested due 10/3
RUSH Requested: ____Day(s) Please provide advanced notice of rush requests whenever possible.

Receipt Temperature: °C

Cooler Seals? INTACT NOT INTACT N/A
Sample Seals? INTACT NOT INTACT N/A
Ice Present? YES NO MELTED N/A

Q3259 Effective Date: 2/12/2025

Alliance TECHNICAL GROUP
3310 Win Street
Cuyahoga Falls, Ohio 44223
(330) 253-8211

Analysis Request / Chain of Custody

https://www.alliancetg.com/services/environmental

https://settek.com/

LAB WO NO.:	For Alliance Technical Group, LLC-Akron use only

Client Name | Project Identification

Client Street Address | Project Street Address

City State Zip | City State Zip

Client Phone | Report To

Contact Person: Jennifer Woolf | PO #: 250921666 | Quote Number

Client Email Address: Jennifer.woolf@alliance-tg.com | PWS ID | Facility ID

Sampled By (Print Name and Provide Signature)

Print:

Sign:

Reporting/Accreditation Requirements: Ohio VAP | Ohio EPA Pb, Cu | Drinking Water Compliance | BUSTR

For DW only, results to be reported to state by lab? If yes, lab fee may apply: Y N

Other Compliance (List State/ Program): NECAP

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH: 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Total Cyanide									For DW Only: Special Compliance or Routine (S/R)
		250921666-012								X									
		250921666-013								X									
		250921666-014								X									
		250921666-015								X									
		250921666-016								X									
		250921666-017								X									
		250921666-018								X									
		250921666-019								X									
		250921666-021								X									
		250921666-022								X									

Relinquished by:	Date	Time	Received by:	Date	Time
	9/30/25	1520			

Notes / Comments: EQUIS EFWEDD format

Sufficient volume for analysis? YES NO

Cooler? YES NO N/A

Received at ATG-Akron by:	Date	Time	Carrier
	10/1/25	10:25	2-1 °C

RUSH Requested: 10/3 Day(s) Please provide advanced notice of rush requests whenever possible.

Receipt Temperature: °C

Cooler Seals? INTACT NOT INTACT N/A

Sample Seals? INTACT NOT INTACT N/A

Ice Present? YES NO MELTED N/A

DC-QACOC338 Rev 5

Q3259

Effective Date: 2/12/2025

Alliance TECHNICAL GROUP
3310 Win Street
Cuyahoga Falls, Ohio 44223
(330) 253-8211

Analysis Request / Chain of Custody

https://www.alliancetg.com/services/environmental

https://scitek.com/

LAB WO NO.:	For Alliance Technical Group, LLC-Akron use only

Client Name	Project Identification
Client Street Address	Project Street Address
City State Zip	City State Zip
Client Phone	Report To
Contact Person: Jennifer Woolf	PO #: 25092166 / Quote Number
Client Email Address: Jennifer.woolf@alliance-tg.com	PWS ID / Facility ID
Sampled By (Print Name and Provide Signature)	Reporting/Accreditation Requirements: Ohio VAP; Ohio EPA Pb, Cu; Drinking Water Compliance; BUSTR
Print:	
Sign:	
For DW only, results to be reported to state by lab? If yes, lab fee may apply: Y N	Other Compliance (List State/ Program): NECAP

Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water

Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Number of Containers per Sample	Total Cyanide	For DW Only: Special Compliance or Routine (S/R)
		25092166-023						X	
		25092166-024						X	
		25092166-025						X	
		25092166-026						X	
		25092166-027						X	
		25092166-028						X	
		25092166-031						X	
		25092166-032						X	
		25092166-035						X	
		25092166-036						X	

Relinquished by:	Date	Time	Received by:	Date	Time
	9/30/25	1520			

Notes / Comments: EQUIS EFWEDD format

Sufficient volume for analysis? YES NO

Cooler? YES NO N/A

Received at ATG-Akron by:	Date	Time	Carrier
	10/1/25	10:25	2-1°C

RUSH Requested: 10/3 Day(s) Please provide advanced notice of rush requests whenever possible.

Receipt Temperature: °C

Cooler Seals? INTACT NOT INTACT N/A

Sample Seals? INTACT NOT INTACT N/A

Ice Present? YES NO MELTED N/A

DC-QACOC338 Rev 5

Q3259

Effective Date: 2/12/2025

Alliance TECHNICAL GROUP
3310 Win Street
Cuyahoga Falls, Ohio 44223
(330) 253-8211

Analysis Request / Chain of Custody

https://www.alliancetg.com/services/environmental

https://settek.com/

LAB WO NO.:	For Alliance Technical Group, LLC-Akron use only

Client Name	Project Identification
Client Street Address	Project Street Address
City State Zip	City State Zip
Client Phone	Report To
Contact Person: Jennifer Woolf	PO #: 250921666 / Quote Number
Client Email Address: Jennifer.woolf@alliance-tg.com	PWS ID / Facility ID
Sampled By (Print Name and Provide Signature) Print: Sign:	Reporting/Accreditation Requirements: Ohio VAP, Ohio EPA Pb, Cu, Drinking Water Compliance, BUSTR
For DW only, results to be reported to state by lab? If yes, lab fee may apply: Y N	Other Compliance (List State/ Program): NELAP

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Analytical Parameters and Methods Requested: Total Cyanide	For DW Only: Special Compliance or Routine (S/R)
		250921666-037								X	
		250921666-039								X	
		250921666-040								X	
		250921666-041								X	
		250921666-042								X	
		250921666-043								X	
		250921666-044								X	
		250921666-045								X	
		250921666-046								X	
		250921666-047								X	

Relinquished by:	Date	Time	Received by:	Date	Time
	9/30/25	1520			

Notes / Comments: EQUIS EFWEDD format

Sufficient volume for analysis? YES NO

Cooler? YES NO N/A

Received at ATG-Akron by:	Date	Time	Carrier
	10/1/25	10:25	2.1°C

RUSH Requested: 10/3 Day(s) Please provide advanced notice of rush requests whenever possible.

Receipt Temperature: °C

Cooler Seals? INTACT NOT INTACT N/A

Sample Seals? INTACT NOT INTACT N/A

Ice Present? YES NO MELTED N/A

)C-QACOC338 Rev 5

Q3259 Effective Date: 2/12/2025

Alliance TECHNICAL GROUP
3310 Win Street
Cuyahoga Falls, Ohio 44223
(330) 253-8211

Analysis Request / Chain of Custody

https://www.alliancetg.com/services/environmental
https://seltek.com/

LAB WO NO.:	For Alliance Technical Group, LLC-Akron use only

lient N	Project Identification
lient Street Address	Project Street Address
ity State Zip	City State Zip
lient Phone	Report To
ontact Person: Jennifer Woolf	PO # 250921606 / Quote Number
lient Email Address: jennifer.woolf@alliance-tg.com	PWS ID / Facility ID
ampled By (Print Name and Provide Signature)	Reporting/Accreditation Requirements: Ohio VAP; Ohio EPA Pb, Cu; Drinking Water Compliance; BUSTR
rint:	
ga:	
or DW only, results to be reported to state by lab? If yes, lab fee may pply: Y N	Other Compliance (List State/ Program): NECAP

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Total Cyanide									For DW Only: Special Compliance or Routine (S/R)
		250921606-049								X									
		250921606-050								X									
		250921606-051								X									
		250921606-052								X									
		250921606-053								X									
		250921606-054								X									
		250921606-057								X									
		250921606-058								X									
		250921606-059								X									
		250921606-060								X									

Relinquished by:	Date	Time	Received by:	Date	Time
	9/30/25	1520			

Notes / Comments: EQUIS EFWEDD format

Sufficient volume for analysis? YES NO

Cooler? YES NO N/A

Received at ATG-Akron by:	Date	Time	Carrier
	10/1/25	10:25	2-1 °C

RUSH Requested: 10/3 Day(s) Please provide advanced notice of rush requests whenever possible.

Receipt Temperature: °C

Cooler Seals? INTACT NOT INTACT N/A

Sample Seals? INTACT NOT INTACT N/A

Ice Present? YES NO MELTED N/A

DC-QACOC338 Rev 5

Q3259 Effective Date: 2/12/2025

Alliance TECHNICAL GROUP
3310 Win Street
Cuyahoga Falls, Ohio 44223
(330) 253-8211

Analysis Request / Chain of Custody

https://www.alliancetg.com/services/environmental

https://settek.com/

LAB WO NO.:	For Alliance Technical Group, LLC-Akron use only

Client Name	Project Identification
Client Street Address	Project Street Address
City State Zip	City State Zip
Client Phone	Report To
Contact Person: Jennifer Woolf	PO #: 250921666 / Quote Number
Client Email Address: jennifer.woolf@alliancetg.com	PWS ID / Facility ID
Sampled By (Print Name and Provide Signature) Print: Sign:	Reporting/Accreditation Requirements: Ohio VAP; Ohio EPA Pb, Cu; Drinking Water Compliance; BUSTR
For DW only, results to be reported to state by lab? If yes, lab fee may apply: Y N	Other Compliance (List State/ Program): NECAP

Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water

Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)

Analytical Parameters and Methods Requested

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Number of Containers per Sample	Total Cyanide	For DW Only: Special Compliance or Routine (S/R)
		250921666-061						X	
		250921666 -062						X	
		250921666 -064						X	
								X	
								X	
								X	
								X	
								X	
								X	
								X	

Relinquished by:	Date	Time	Received by:	Date	Time
C. Oz	9/30/25	1520			

Notes / Comments: EQUIS EFWEDD format

Sufficient volume for analysis? YES NO

Cooler? YES NO N/A

Received at ATG-Akron by:	Date	Time	Carrier
	10/1/25	10:25	2.1°C

RUSH Requested: 10/3 ____ Day(s) Please provide advanced notice of rush requests whenever possible.

Receipt Temperature: °C

Cooler Seals? INTACT NOT INTACT N/A

Sample Seals? INTACT NOT INTACT N/A

Ice Present? YES NO MELTED N/A

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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