

Cover Page

Order ID : Q2832

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q2832-01
Q2832-02
Q2832-03
Q2832-04
Q2832-05
Q2832-06
Q2832-07
Q2832-08
Q2832-09
Q2832-10

Client Sample Number

TG-S01
TG-S01
TG-S02
TG-S02
TG-S03
TG-S03
TG-S04
TG-S04
TG-S05
TG-S05

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Order ID # Q2832

Test Name: Corrosivity, Hexavalent Chromium, Ignitability, Reactive Cyanide, Reactive Sulfide, Trivalent Chromium

A. Number of Samples and Date of Receipt:

10 Solid samples were received on 08/12/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Hexavalent Chromium, Ignitability, Reactive Cyanide, Reactive Sulfide, Trivalent Chromium. This data package contains results for Corrosivity, Hexavalent Chromium, Ignitability, Reactive Cyanide, Reactive Sulfide, Trivalent Chromium.

C. Analytical Techniques:

The analysis of Ignitability was based on method 1030, The analysis of Trivalent Chromium was based on method 6010D, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of Corrosivity was based on method 9045D.

D. QA/ QC Samples:

The Holding Times were met for all samples except for TG-S01 of Corrosivity, for TG-S02 of Corrosivity, for TG-S03 of Corrosivity, for TG-S04 of Corrosivity and for TG-S05 of Corrosivity as samples were received out of holding time.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2832

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 08/20/2025

LAB CHRONICLE

OrderID:	Q2832	OrderDate:	8/12/2025 9:37:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2832-01	TG-S01	SOIL			08/11/25 08:15	08/13/25	08/13/25 13:03	08/12/25
			Hexavalent Chromium	7196A				
			Trivalent Chromium	6010D			08/14/25 12:59	
Q2832-02	TG-S01	SOIL			08/11/25 08:15	08/13/25	08/12/25 15:25	08/12/25
			Corrosivity	9045D				
			Ignitability	1030			08/12/25 11:25	
			Reactive Cyanide	9012B			08/13/25 12:45	
			Reactive Sulfide	9034			08/13/25 15:18	
Q2832-03	TG-S02	SOIL			08/11/25 09:15	08/13/25	08/13/25 13:04	08/12/25
			Hexavalent Chromium	7196A				
			Trivalent Chromium	6010D			08/13/25 17:25	
Q2832-04	TG-S02	SOIL			08/11/25 09:15	08/13/25	08/12/25 15:15	08/12/25
			Corrosivity	9045D				
			Ignitability	1030			08/12/25 11:32	
			Reactive Cyanide	9012B			08/13/25 12:45	

LAB CHRONICLE

Q2832-05	TG-S03	SOIL	Reactive Sulfide	9034		08/13/25	08/13/25 15:20	08/12/25
					08/11/25 11:10			
			Hexavalent Chromium	7196A		08/13/25	08/13/25 13:05	
Q2832-06	TG-S03	SOIL	Trivalent Chromium	6010D			08/13/25 17:29	08/12/25
					08/11/25 11:10			
			Corrosivity	9045D			08/12/25 15:25	
Q2832-07	TG-S04	SOIL	Ignitability	1030			08/12/25 11:40	08/12/25
			Reactive Cyanide	9012B		08/13/25	08/13/25 12:45	
			Reactive Sulfide	9034		08/13/25	08/13/25 15:23	
Q2832-08	TG-S04	SOIL			08/11/25 13:45			08/12/25
			Hexavalent Chromium	7196A		08/13/25	08/13/25 13:06	
			Trivalent Chromium	6010D			08/13/25 17:33	
Q2832-09	TG-S05	SOIL			08/11/25 13:45			08/12/25
			Corrosivity	9045D			08/12/25 15:44	
			Ignitability	1030			08/12/25 11:47	
Q2832-09	TG-S05	SOIL	Reactive Cyanide	9012B		08/13/25	08/13/25 12:53	08/12/25
			Reactive Sulfide	9034		08/13/25	08/13/25 15:25	
					08/12/25 07:25			

LAB CHRONICLE

Q2832-10	TG-S05	SOIL	Hexavalent Chromium	7196A	08/13/25	08/13/25 13:09	08/12/25 07:25	08/12/25
			Trivalent Chromium	6010D		08/13/25 16:52		
			Corrosivity	9045D		08/12/25 15:47		
			Ignitability	1030		08/12/25 11:55		
			Reactive Cyanide	9012B	08/13/25	08/13/25 12:53		
			Reactive Sulfide	9034	08/13/25	08/13/25 15:28		



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25 08:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-01	Matrix:	SOIL
		% Solid:	93.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.073	U	1	0.073	0.42	mg/Kg	08/13/25 09:20	08/13/25 13:03	7196A
Trivalent Chromium	14.9		1	0.54	0.54	mg/Kg		08/14/25 12:59	6010D

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25 08:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.35	H	1	0	0	pH		08/12/25 15:25	9045D
Ignitability	NO		1	0	0	oC		08/12/25 11:25	1030
Reactive Cyanide	0.013	J	1	0.0083	0.050	mg/Kg	08/13/25 08:45	08/13/25 12:45	9012B
Reactive Sulfide	6.39	J	1	0.20	10.0	mg/Kg	08/13/25 11:00	08/13/25 15:18	9034

Comments: pH result reported at temperature 21.6 °C

U = Not Detected

LOQ = Limit of Quantitation

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25 09:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-03	Matrix:	SOIL
		% Solid:	94

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.074	U	1	0.074	0.42	mg/Kg	08/13/25 09:20	08/13/25 13:04	7196A
Trivalent Chromium	17.8		1	0.53	0.53	mg/Kg		08/13/25 17:25	6010D

Comments: _____

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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25 09:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.45	H	1	0	0	pH		08/12/25 15:15	9045D
Ignitability	NO		1	0	0	oC		08/12/25 11:32	1030
Reactive Cyanide	0.012	J	1	0.0083	0.050	mg/Kg	08/13/25 08:45	08/13/25 12:45	9012B
Reactive Sulfide	3.16	J	1	0.20	10.0	mg/Kg	08/13/25 11:00	08/13/25 15:20	9034

Comments: pH result reported at temperature 21.7 °C

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25 11:10
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-05	Matrix:	SOIL
		% Solid:	93.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.073	U	1	0.073	0.42	mg/Kg	08/13/25 09:20	08/13/25 13:05	7196A
Trivalent Chromium	27.4		1	0.53	0.53	mg/Kg		08/13/25 17:29	6010D

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25 11:10
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-06	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.12	H	1	0	0	pH		08/12/25 15:25	9045D
Ignitability	NO		1	0	0	oC		08/12/25 11:40	1030
Reactive Cyanide	0.014	J	1	0.0084	0.050	mg/Kg	08/13/25 08:45	08/13/25 12:45	9012B
Reactive Sulfide	3.17	J	1	0.20	10.0	mg/Kg	08/13/25 11:00	08/13/25 15:23	9034

Comments: pH result reported at temperature 22.2 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25 13:45
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-07	Matrix:	SOIL
		% Solid:	93.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.074	U	1	0.074	0.42	mg/Kg	08/13/25 09:20	08/13/25 13:06	7196A
Trivalent Chromium	128		1	0.54	0.54	mg/Kg		08/13/25 17:33	6010D

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25 13:45
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-08	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.02	H	1	0	0	pH		08/12/25 15:44	9045D
Ignitability	NO		1	0	0	oC		08/12/25 11:47	1030
Reactive Cyanide	0.015	J	1	0.0083	0.050	mg/Kg	08/13/25 08:45	08/13/25 12:53	9012B
Reactive Sulfide	3.17	J	1	0.20	10.0	mg/Kg	08/13/25 11:00	08/13/25 15:25	9034

Comments: pH result reported at temperature 22.1 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25 07:25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-09	Matrix:	SOIL
		% Solid:	90.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.075	U	1	0.075	0.43	mg/Kg	08/13/25 09:20	08/13/25 13:09	7196A
Trivalent Chromium	40.4		1	0.55	0.55	mg/Kg		08/13/25 16:52	6010D

Comments: _____

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25 07:25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-10	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.96	H	1	0	0	pH		08/12/25 15:47	9045D
Ignitability	NO		1	0	0	oC		08/12/25 11:55	1030
Reactive Cyanide	0.014	J	1	0.0083	0.049	mg/Kg	08/13/25 08:45	08/13/25 12:53	9012B
Reactive Sulfide	3.16	J	1	0.20	10.0	mg/Kg	08/13/25 11:00	08/13/25 15:28	9034

Comments: pH result reported at temperature 21.7 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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N =Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture

SDG No.: Q2832

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB136793

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.00	7	100	90-110	08/12/2025
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	08/12/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	08/12/2025
Sample ID: Corrosivity	CCV3	pH	2.01	2.00	101	90-110	08/12/2025

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture

SDG No.: Q2832

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB136800

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.095	0.099	96	85-115	08/13/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.26	0.25	104	90-110	08/13/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	08/13/2025
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	08/13/2025

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture

SDG No.: Q2832

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB136802

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	08/13/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	08/13/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	08/13/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.492	0.5	98	90-110	08/13/2025

Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture

SDG No.: Q2832

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB136800

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	0.0014	0.0025	J	0.00096	0.005	08/13/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	0.0015	0.0025	J	0.00096	0.005	08/13/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	0.0014	0.0025	J	0.00096	0.005	08/13/2025
Sample ID: CCB3 Reactive Cyanide	mg/L	0.0015	0.0025	J	0.00096	0.005	08/13/2025

Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025

SDG No.: Q2832
RunNo.: LB136802

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/13/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/13/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/13/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/13/2025

Preparation Blank Summary

Client: Portal Partners Tri-Venture

SDG No.: Q2832

Project: Amtrak Sawtooth Bridges 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB169216BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	08/13/2025
Sample ID: PB169217BL							
Reactive Cyanide	mg/Kg	0.013	0.0250	J	0.0084	0.05	08/13/2025
Sample ID: PB169218BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	08/13/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q2832
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q2838-05
Client ID:	TP-10MS	Percent Solids for Spike Sample:	86.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1430		0.078	U	1480	40	97		08/13/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q2832
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q2838-05
Client ID:	TP-10MS	Percent Solids for Spike Sample:	86.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	42.3		0.078	U	46.1	2	92		08/13/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q2832
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q2838-05
Client ID:	TP-10MS	Percent Solids for Spike Sample:	86.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	38.4		0.078	U	46.1	2	83		08/13/2025

Duplicate Sample Summary

Client: Portal Partners Tri-Venture Project: Amtrak Sawtooth Bridges 2025 Client ID: WC-A7-01-CDUP	SDG No.: Q2832 Sample ID: Q2732-03 Percent Solids for Spike Sample: 100
---	--

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Corrosivity	pH	+/-20	11.5		11.6		1	0.09		08/12/2025
Reactive Cyanide	mg/Kg	+/-20	0.011	J	0.011	J	1	0		08/13/2025
Reactive Sulfide	mg/Kg	+/-20	4.72	J	4.72	J	1	0		08/13/2025

Duplicate Sample Summary

Client: Portal Partners Tri-Venture Project: Amtrak Sawtooth Bridges 2025 Client ID: TP-7DUP	SDG No.: Q2832 Sample ID: Q2808-01 Percent Solids for Spike Sample: 66.5
---	---

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		08/12/2025

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q2832
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q2838-05
Client ID:	TP-10DUP	Percent Solids for Spike Sample:	86.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.078	U	0.079	U	1	0		08/13/2025

Laboratory Control Sample Summary

Client: Portal Partners Tri-Venture

SDG No.: Q2832

Project: Amtrak Sawtooth Bridges 2025

Run No.: LB136802

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169216BS							
Hexavalent Chromium	mg/Kg	20	19.9		100	1	84-110	08/13/2025



RAW DATA

Analytical Summary Report

Analysis Method: 1030
Parameter: Ignitability
Run Number: LB136786

Reviewed By: Eman

Supervisor Review By: jignesh

Seq	LabID	ClientID	DF	matrix	Result Status	Burning Rate	Anal Date	Anal Time
1	Q2808-01	TP-7	1	Solid	NO	0.00	08/12/2025	10:10
2	Q2808-01DUP	TP-7DUP	1	Solid	NO	0.00	08/12/2025	10:17
3	Q2808-04	TP-7	1	Solid	NO	0.00	08/12/2025	10:24
4	Q2826-02	WC1	1	Solid	NO	0.00	08/12/2025	10:32
5	Q2827-01	TP-8	1	Solid	NO	0.00	08/12/2025	10:40
6	Q2827-04	TP-8	1	Solid	NO	0.00	08/12/2025	10:47
7	Q2827-05	TP-9	1	Solid	NO	0.00	08/12/2025	10:55
8	Q2827-08	TP-9	1	Solid	NO	0.00	08/12/2025	11:02
9	Q2831-01	VNJ-238	1	Solid	NO	0.00	08/12/2025	11:10
10	Q2831-03	VNJ-238	1	Solid	NO	0.00	08/12/2025	11:17
11	Q2832-02	TG-S01	1	Solid	NO	0.00	08/12/2025	11:25
12	Q2832-04	TG-S02	1	Solid	NO	0.00	08/12/2025	11:32
13	Q2832-06	TG-S03	1	Solid	NO	0.00	08/12/2025	11:40
14	Q2832-08	TG-S04	1	Solid	NO	0.00	08/12/2025	11:47
15	Q2832-10	TG-S02	1	Solid	NO	0.00	08/12/2025	11:55

$$\text{Burning Rate} = \frac{\text{Length (mm)}}{\text{Total Time (sec)}}$$

WORKLIST(Hardcopy Internal Chain)

13136786

WorkList Name : IGN-081225

WorkList ID : 191211

Department : Wet-Chemistry

Date : 08-12-2025 08:11:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2808-01	TP-7	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/08/2025	1030
Q2808-04	TP-7	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/08/2025	1030
Q2826-02	WC1	Solid	Ignitability	Cool 4 deg C	GENV01	D31	08/11/2025	1030
Q2827-01	TP-8	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/11/2025	1030
Q2827-04	TP-8	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/11/2025	1030
Q2827-05	TP-9	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/11/2025	1030
Q2827-08	TP-9	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/11/2025	1030
Q2831-01	VNJ-238	Solid	Ignitability	Cool 4 deg C	PSEG03	D31	08/11/2025	1030
Q2831-03	VNJ-238	Solid	Ignitability	Cool 4 deg C	PSEG03	D21	08/11/2025	1030
Q2832-02	TG-S01	Solid	Ignitability	Cool 4 deg C	PSEG03	D21	08/11/2025	1030
Q2832-04	TG-S02	Solid	Ignitability	Cool 4 deg C	PORT06	J21	08/11/2025	1030
Q2832-06	TG-S03	Solid	Ignitability	Cool 4 deg C	PORT06	J21	08/11/2025	1030
Q2832-08	TG-S04	Solid	Ignitability	Cool 4 deg C	PORT06	J21	08/11/2025	1030
Q2832-10	TG-S02	Solid	Ignitability	Cool 4 deg C	PORT06	J21	08/12/2025	1030

Date/Time 08/12/25 08:20
 Raw Sample Received by: EM (WC)
 Raw Sample Relinquished by: JH (WC)

Date/Time 08/12/25 12:10
 Raw Sample Received by: JH (WC)
 Raw Sample Relinquished by: EM (WC)

Analytical Summary Report

Analysis Method: 9045D

Analyst By : jignesh

Parameter: Corrosivity

Supervisor Review By : rubina

Run Number: LB136793

Slope : 98.6

BalanceID: WC SC-7

pH Meter ID : WC PH METER-1

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3178
BUFFER PH 7.00 GREEN 1PINT PK6	W3093
PH 10.01 BUFFER, COLOR CD 475ML	W3191
buffer solution pH 7 yellow	W3217
Buffer Solution, PH2 (500ml)	W3161
pH 12.00 Buffer	W3200

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 2.00 Control Limits[+/- 0.05].

True Value of CCV2 = 12.00 Control Limits[+/- 0.05].

True Value of CCV3 = 2.00 Control Limits[+/- 0.05].

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	20.3	4.01	08/12/2025	14:40
2	CAL2	1	Water	NA	NA	20.3	7.01	08/12/2025	14:41
3	CAL3	1	Water	NA	NA	20.2	10.02	08/12/2025	14:42
4	ICV	1	Water	NA	NA	20.2	7.00	08/12/2025	14:45
5	CCV1	1	Water	NA	NA	20.3	2.01	08/12/2025	14:47
6	Q2732-03	1	Solid	20.02	20	24.5	11.54	08/12/2025	15:00
7	Q2732-03DUP	1	Solid	20.03	20	24.6	11.55	08/12/2025	15:02
8	Q2832-02	1	Solid	20.02	20	21.6	8.35	08/12/2025	15:25
9	Q2832-04	1	Solid	20.03	20	21.7	8.45	08/12/2025	15:15
10	Q2832-06	1	Solid	20.02	20	22.2	8.12	08/12/2025	15:25
11	Q2832-08	1	Solid	20.03	20	22.1	8.02	08/12/2025	15:44
12	Q2832-10	1	Solid	20.03	20	21.7	6.96	08/12/2025	15:47
13	Q2836-03	1	Solid	20.03	20	24.5	11.83	08/12/2025	16:00
14	Q2836-07	1	Solid	20.02	20	24.3	12.04	08/12/2025	16:10
15	Q2836-11	1	Solid	20.03	20	24.3	12.08	08/12/2025	16:25
16	CCV2	1	Water	NA	NA	20.3	12.02	08/12/2025	16:26
17	Q2836-15	1	Solid	20.02	20	24.1	11.57	08/12/2025	16:30
18	Q2838-04	1	Solid	20.04	20	23.4	7.54	08/12/2025	16:38
19	Q2838-08	1	Solid	20.02	20	23.8	7.25	08/12/2025	16:40
20	CCV3	1	Water	NA	NA	20.3	2.01	08/12/2025	16:44

WORKLIST(Hardcopy Internal Chain)

VB 136493

WorkList Name : corrosivity q2832 WorkList ID : 191222 Department : Wet-Chemistry Date : 08-12-2025 11:54:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-03	WC-A7-01-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	J21	08/12/2025	9045D
Q2832-02	TG-S01	Solid	Corrosivity	Cool 4 deg C	PORT06	J21	08/11/2025	9045D
Q2832-04	TG-S02	Solid	Corrosivity	Cool 4 deg C	PORT06	J21	08/11/2025	9045D
Q2832-06	TG-S03	Solid	Corrosivity	Cool 4 deg C	PORT06	J21	08/11/2025	9045D
Q2832-08	TG-S04	Solid	Corrosivity	Cool 4 deg C	PORT06	J21	08/11/2025	9045D
Q2832-10	TG-S02	Solid	Corrosivity	Cool 4 deg C	PORT06	J21	08/11/2025	9045D
Q2836-03	WC-A2-15-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	J23	08/12/2025	9045D
Q2836-07	WC-A2-16-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	J23	08/12/2025	9045D
Q2836-11	WC-A2-17-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	J23	08/12/2025	9045D
Q2836-15	WC-A5-02-C	Solid	Corrosivity	Cool 4 deg C	ENTA05	J23	08/12/2025	9045D
Q2838-04	TP-11	Solid	Corrosivity	Cool 4 deg C	PSEG03	D21	08/12/2025	9045D
Q2838-08	TP-10	Solid	Corrosivity	Cool 4 deg C	PSEG03	D21	08/12/2025	9045D

Date/Time 08/12/25 14:30
 Raw Sample Received by: JP SMC
 Raw Sample Relinquished by: CP SM

Date/Time 08/12/25 18:00
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: JP SMC

LB1368

Test results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

8/13/2025 13:44

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	94.763	0.0	0.080	
ICB1	1.416	0.0	0.001	
CCV1	255.579	0.0	0.216	
CCB1	1.483	0.0	0.001	
PB169217BL	1.263	0.0	0.001	
Q2732-03	1.095	0.0	0.001	
Q2732-03DUP	1.134	0.0	0.001	
Q2826-02	1.278	0.0	0.001	
Q2827-04	1.205	0.0	0.001	
Q2827-08	1.215	0.0	0.001	
Q2831-03	1.341	0.0	0.001	
Q2832-02	1.343	0.0	0.001	
Q2832-04	1.225	0.0	0.001	
Q2832-06	1.392	0.0	0.001	
CCV2	248.751	0.0	0.210	
CCB2	1.407	0.0	0.001	
Q2832-08	1.463	0.0	0.001	
Q2832-10	1.426	0.0	0.001	
Q2836-03	1.543	0.0	0.001	
Q2836-07	1.513	0.0	0.001	
Q2836-11	1.442	0.0	0.001	
Q2836-15	1.197	0.0	0.001	
Q2838-04	1.261	0.0	0.001	
Q2838-08	1.282	0.0	0.001	
CCV3	253.955	0.0	0.215	
CCB3	1.528	0.0	0.001	

N	26
Mean	33.942
SD	82.6455
CV%	243.49

Aquakem v. 7.2AQ1

Results from time period:

Wed Aug 13 11:30:09 2025

Wed Aug 13 13:00:45 2025

Sample Id	Sam/Ctr/c	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	1.0995	µg/l	8/13/2025 11:54:53	
5.0PPBCN	A	Total CN	P	5.9975	µg/l	8/13/2025 11:54:54	
10PPBCN	A	Total CN	P	10.7758	µg/l	8/13/2025 11:54:55	
50PPBCN	A	Total CN	P	47.0414	µg/l	8/13/2025 11:54:56	
100PPBCN	A	Total CN	P	97.7309	µg/l	8/13/2025 11:54:57	
250PPBCN	A	Total CN	P	253.2616	µg/l	8/13/2025 11:54:58	
500PPBCN	A	Total CN	P	499.0934	µg/l	8/13/2025 11:54:59	
ICV1	S	Total CN	P	94.7634	µg/l	8/13/2025 12:37:54	
ICB1	S	Total CN	P	1.4161	µg/l	8/13/2025 12:37:55	
CCV1	S	Total CN	P	255.5794	µg/l	8/13/2025 12:37:57	
CCB1	S	Total CN	P	1.4829	µg/l	8/13/2025 12:37:59	
PB169217BL	S	Total CN	P	1.2629	µg/l	8/13/2025 12:38:02	
Q2732-03	S	Total CN	P	1.0947	µg/l	8/13/2025 12:45:28	
Q2732-03DUP	S	Total CN	P	1.1339	µg/l	8/13/2025 12:45:29	
Q2826-02	S	Total CN	P	1.2781	µg/l	8/13/2025 12:45:31	
Q2827-04	S	Total CN	P	1.2053	µg/l	8/13/2025 12:45:32	
Q2827-08	S	Total CN	P	1.2149	µg/l	8/13/2025 12:45:33	
Q2831-03	S	Total CN	P	1.3408	µg/l	8/13/2025 12:45:34	
Q2832-02	S	Total CN	P	1.3428	µg/l	8/13/2025 12:45:35	
Q2832-04	S	Total CN	P	1.2247	µg/l	8/13/2025 12:45:36	
Q2832-06	S	Total CN	P	1.392	µg/l	8/13/2025 12:45:37	
CCV2	S	Total CN	P	248.751	µg/l	8/13/2025 12:53:02	
CCB2	S	Total CN	P	1.407	µg/l	8/13/2025 12:53:05	
Q2832-08	S	Total CN	P	1.4629	µg/l	8/13/2025 12:53:06	
Q2832-10	S	Total CN	P	1.4265	µg/l	8/13/2025 12:53:07	
Q2836-03	S	Total CN	P	1.5426	µg/l	8/13/2025 12:53:08	
Q2836-07	S	Total CN	P	1.5128	µg/l	8/13/2025 12:53:09	
Q2836-11	S	Total CN	P	1.4418	µg/l	8/13/2025 12:53:10	
Q2836-15	S	Total CN	P	1.1966	µg/l	8/13/2025 13:00:35	
Q2838-04	S	Total CN	P	1.2605	µg/l	8/13/2025 13:00:36	
Q2838-08	S	Total CN	P	1.2821	µg/l	8/13/2025 13:00:37	
CCV3	S	Total CN	P	253.9547	µg/l	8/13/2025 13:00:42	
CCB3	S	Total CN	P	1.5279	µg/l	8/13/2025 13:00:45	

Calibration results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

8/13/2025 12:01

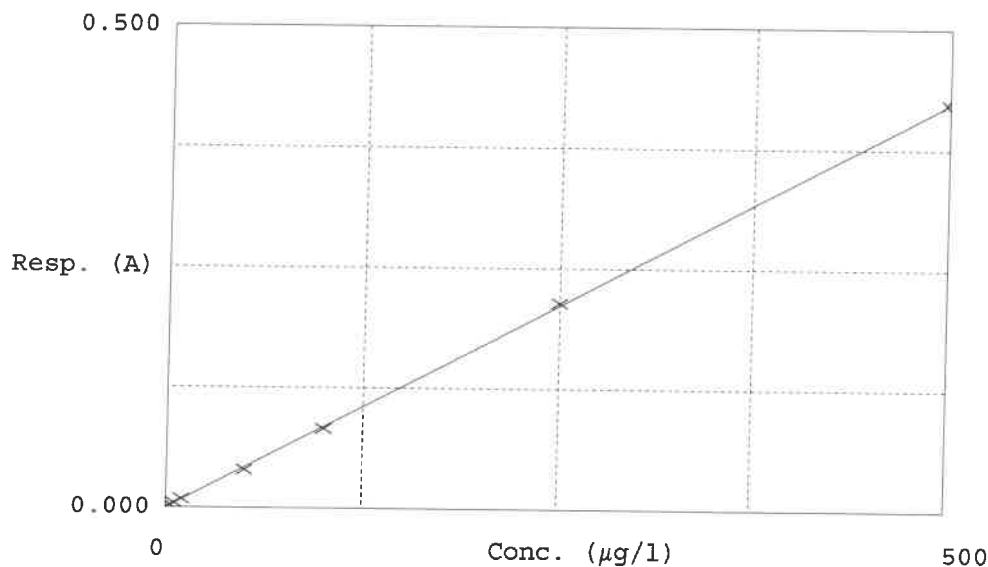
Test Total CN

Accepted 8/13/2025 12:01

Factor 1182
Bias 0

Coeff. of det. 0.999863

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	1.0995	0.0000	-
2	5.0PPBCN	0.005	5.9975	5.0000	20.6
3	10PPBCN	0.009	10.7758	10.0000	7.8
4	50PPBCN	0.040	47.0414	50.0000	-5.9
5	100PPBCN	0.082	97.7309	100.0000	-2.3
6	250PPBCN	0.214	253.2616	250.0000	1.3
7	500PPBCN	0.422	499.0934	500.0000	-0.2

08/13/2025
R14

Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136802

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
hexavalent chromium color reagent	WP114259
5N sulfuric acid	WP112831
HNO3 Hex-Chrome, 5M	WP112830
Hexchrome Cleaning Solution	WP113087

Intercept: 0.0009

Slope: 0.7647

Regression: 0.999958

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HNO3	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100	7.24	1.90	0.000	0.000	0.000	-0.00		08/13/2025	12:45
2	CAL2	0.01	1	100	100	7.42	1.88	0.000	0.009	0.009	0.010	0	08/13/2025	12:46
3	CAL3	0.025	1	100	100	7.52	1.99	0.000	0.020	0.020	0.024	-4	08/13/2025	12:47
4	CAL4	0.05	1	100	100	7.40	2.06	0.000	0.040	0.040	0.051	2	08/13/2025	12:48
5	CAL5	0.1	1	100	100	7.36	1.88	0.000	0.080	0.080	0.103	3	08/13/2025	12:49
6	CAL6	0.5	1	100	100	7.49	2.01	0.000	0.378	0.378	0.493	-1.4	08/13/2025	12:50
7	CAL7	1	1	100	100	7.35	1.92	0.000	0.768	0.768	1.003	0.3	08/13/2025	12:51

Analysis Method: 7196A

ANALYST:rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY:jignesh

Run Number: LB136802

pH Meter ID:WC pH Meter-1

Seq	Lab ID	True Value	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at540nm		Absorbance Difference	Intermediate Result (mg/L)	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100	7.45	1.83	0.000	0.376	0.376	0.491	08/13/2025	12:52
2	ICB		1	100	100	7.44	1.88	0.000	0.001	0.001	0.000	08/13/2025	12:53
3	CCV1	0.5	1	100	100	7.38	2.10	0.000	0.381	0.381	0.497	08/13/2025	12:54
4	CCB1		1	100	100	7.32	1.92	0.000	0.001	0.001	0.000	08/13/2025	12:55
5	RL Check	0.01	1	100	100	7.37	2.06	0.000	0.010	0.010	0.012	08/13/2025	12:56
6	PB169216BL		1	2.50	100	7.40	1.85	0.000	0.001	0.001	0.000	08/13/2025	12:57
7	PB169216BS	20	1	2.50	100	7.52	2.01	0.000	0.381	0.381	0.497	08/13/2025	12:58
8	Q2772-01		1	2.56	100	7.52	1.90	0.000	0.004	0.004	0.004	08/13/2025	12:59
9	Q2827-01		1	2.52	100	7.60	2.10	0.035	0.035	0.000	-0.001	08/13/2025	13:00
10	Q2827-05		1	2.53	100	7.40	2.25	0.000	0.001	0.001	0.000	08/13/2025	13:01
11	Q2831-01		1	2.54	100	7.34	2.19	0.009	0.010	0.001	0.000	08/13/2025	13:02
12	Q2832-01		1	2.55	100	7.31	2.06	0.010	0.010	0.000	-0.001	08/13/2025	13:03
13	Q2832-03		1	2.52	100	7.60	1.92	0.014	0.015	0.001	0.000	08/13/2025	13:04
14	Q2832-05		1	2.57	100	7.59	1.80	0.036	0.037	0.001	0.000	08/13/2025	13:05
15	Q2832-07		1	2.55	100	7.67	1.79	0.036	0.037	0.001	0.000	08/13/2025	13:06
16	CCV2	0.5	1	100	100	7.55	1.89	0.000	0.376	0.376	0.491	08/13/2025	13:07
17	CCB2		1	100	100	7.50	1.74	0.000	0.000	0.000	-0.001	08/13/2025	13:08
18	Q2832-09		1	2.58	100	7.64	2.14	0.036	0.037	0.001	0.000	08/13/2025	13:09
19	Q2838-01		1	2.56	100	7.56	2.02	0.002	0.002	0.000	-0.001	08/13/2025	13:10
20	Q2838-05		1	2.58	100	7.27	2.06	0.000	0.000	0.000	-0.001	08/13/2025	13:11
21	Q2838-05DU		1	2.57	100	7.36	2.00	0.000	0.000	0.000	-0.001	08/13/2025	13:12
22	Q2838-05MS	40	2	2.58	100	7.39	2.10	0.000	0.330	0.330	0.430	08/13/2025	13:13
23	Q2838-05MS	1284	40	2.55	100	7.42	2.14	0.000	0.607	0.607	0.793	08/13/2025	13:14
24	Q2838-05MS	40	2	2.57	100	7.36	2.06	0.000	0.361	0.361	0.471	08/13/2025	13:15
25	CCV3	0.5	1	100	100	7.42	1.92	0.000	0.377	0.377	0.492	08/13/2025	13:16
26	CCB3		1	100	100	7.52	1.70	0.000	0.001	0.001	0.000	08/13/2025	13:17

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136810

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W3105
IODINE SOLUTION .025N 1L	W3213
Starch Solution, 4L	W3149

Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
1	PB169218BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	08/13/2025	15:00
2	Q2732-03		1	5.08	50	2.00	0.00	1.88	1.88	0.12	0.06	4.72	08/13/2025	15:03
3	Q2732-03DUP		1	5.08	50	2.00	0.00	1.88	1.88	0.12	0.06	4.72	08/13/2025	15:06
4	Q2826-02		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	08/13/2025	15:08
5	Q2827-04		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.08	6.37	08/13/2025	15:10
6	Q2827-08		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	08/13/2025	15:13
7	Q2831-03		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	08/13/2025	15:15
8	Q2832-02		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.08	6.39	08/13/2025	15:18
9	Q2832-04		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	08/13/2025	15:20
10	Q2832-06		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	08/13/2025	15:23
11	Q2832-08		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	08/13/2025	15:25
12	Q2832-10		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	08/13/2025	15:28

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

Analysis Method: 9034

Parameter: Reactive Sulfide

Run Number: LB136810

ANALYST: rubina

SUPERVISOR REVIEW BY: jignesh

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W3105
IODINE SOLUTION .025N 1L	W3213
Starch Solution, 4L	W3149

Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
13	Q2836-03		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	08/13/2025	15:30
14	Q2836-07		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	08/13/2025	15:33
15	Q2836-11		1	5.08	50	2.00	0.00	1.90	1.90	0.10	0.04	3.15	08/13/2025	13:35
16	Q2836-15		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	08/13/2025	15:38
17	Q2838-04		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.06	4.79	08/13/2025	15:41
18	Q2838-08		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	08/13/2025	15:44

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

SOP ID : M3060A,7196A-Hex.Chromium-27

SDG No : N/A

Start Digest Date: 08/13/2025 Time : 09:20 Temp : 90 °C

Matrix : SOIL

End Digest Date: 08/13/2025 Time : 10:20 Temp : 95 °C

Pipette ID : WC

1) batch 08/13/2025 10:45 90°C
08/13/2025 11:45 95°C

Balance ID : WC SC-7

Hood ID : HOOD#3

Digestion tube ID : M6054

Block Thermometer ID : WC-Block#1

Block ID : WC S-2, WC S-1

Filter paper ID : 400213

Prep Technician Signature: RM

Weigh By : RM

pH Meter ID : WC pH meter-1

Supervisor Signature: JD

Standard Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP113880
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP113880
LCSS	1.0ML	WP113881
PBS003	50.ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP112903
HEX. DIGESTION SOLN.	50.0ML	WP114057
5M HNO3	5-7ML	WP112830
5N H2SO4	1-3ML	WP112831
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	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP114267
CAL3	CAL3	0.5ML	WP114267
CAL4	CAL4	1ML	WP114267
CAL5	CAL5	0.2ML	WP113880
CAL6	CAL6	1ML	WP113880
CAL7	CAL7	2.0ML	WP113880
ICV	ICV	1ML	WP113881
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP113880
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments:

N/A

08/13/2025 RM

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169216BL	PBS216	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB169216BS	LCS216	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2772-01	500-3B-SOIL	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2827-01	TP-8	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2827-05	TP-9	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2831-01	VNJ-238	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-01	TG-S01	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-03	TG-S02	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-05	TG-S03	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-07	TG-S04	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-09	TG-S05	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-01	TP-11	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-05	TP-10	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-05DUP	TP-10DUP	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-05MSPre	TP-10MSPRE	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-05MS2Ins	TP-10MS2INS	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-05MS3Post	TP-10MS3POST	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : HEX0-8-12 WorkList ID : 191232 Department : Distillation Date : 08-12-2025 15:32:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2772-01	500-3B-SOIL	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D21	08/05/2025	7196A
Q2827-01	TP-8	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	08/11/2025	7196A
Q2827-05	TP-9	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	08/11/2025	7196A
Q2831-01	VNJ-238	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D21	08/11/2025	7196A
Q2832-01	TG-S01	Solid	Hexavalent Chromium	Cool 4 deg C	PORT06	J21	08/11/2025	7196A
Q2832-03	TG-S02	Solid	Hexavalent Chromium	Cool 4 deg C	PORT06	J21	08/11/2025	7196A
Q2832-05	TG-S03	Solid	Hexavalent Chromium	Cool 4 deg C	PORT06	J21	08/11/2025	7196A
Q2832-07	TG-S04	Solid	Hexavalent Chromium	Cool 4 deg C	PORT06	J21	08/11/2025	7196A
Q2832-09	TG-S05	Solid	Hexavalent Chromium	Cool 4 deg C	PORT06	J21	08/11/2025	7196A
Q2838-01	TP-11	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D21	08/12/2025	7196A
Q2838-05	TP-10	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D21	08/12/2025	7196A

Date/Time 08/13/2025 08:10
 Raw Sample Received by: RM (wg)
 Raw Sample Relinquished by: JH (wg)

Date/Time 08/13/2025 11:20
 Raw Sample Received by: JH (wg)
 Raw Sample Relinquished by: RM (wg)

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

SDG No : N/A

Start Digest Date: 08/13/2025 Time : 08:45 Temp : N/A

Matrix : SOIL

End Digest Date: 08/13/2025 Time : 10:15 Temp : N/A

Pipette ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : RM

pH Meter ID : N/A

Supervisor Signature: JR

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
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
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
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/2025 10:30	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169217BL	PBS217	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-03DUP	WC-A7-01-CDUP	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-03	WC-A7-01-C	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2826-02	WC1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2827-04	TP-8	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2827-08	TP-9	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2831-03	VNJ-238	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-02	TG-S01	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-04	TG-S02	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-06	TG-S03	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-08	TG-S04	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-10	TG-S05	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2836-03	WC-A2-15-C	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2836-07	WC-A2-16-C	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2836-11	WC-A2-17-C	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2836-15	WC-A5-02-C	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-04	TP-11	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-08	TP-10	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : RCN-8-12 WorkList ID : 191227 Department : Distillation Date : 08-12-2025 15:30:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-03	WC-A7-01-C	Solid	Reactive Cyanide	Cool 4 deg C	ENTA05	J21	08/12/2025	9012B
Q2826-02	WC1	Solid	Reactive Cyanide	Cool 4 deg C	GENV01	D31	08/11/2025	9012B
Q2827-04	TP-8	Solid	Reactive Cyanide	Cool 4 deg C	PSEG03	D31	08/11/2025	9012B
Q2827-08	TP-9	Solid	Reactive Cyanide	Cool 4 deg C	PSEG03	D31	08/11/2025	9012B
Q2831-03	VNJ-238	Solid	Reactive Cyanide	Cool 4 deg C	PSEG03	D21	08/11/2025	9012B
Q2832-02	TG-S01	Solid	Reactive Cyanide	Cool 4 deg C	PORT06	J21	08/11/2025	9012B
Q2832-04	TG-S02	Solid	Reactive Cyanide	Cool 4 deg C	PORT06	J21	08/11/2025	9012B
Q2832-06	TG-S03	Solid	Reactive Cyanide	Cool 4 deg C	PORT06	J21	08/11/2025	9012B
Q2832-08	TG-S04	Solid	Reactive Cyanide	Cool 4 deg C	PORT06	J21	08/11/2025	9012B
Q2832-10	TG-S02	Solid	Reactive Cyanide	Cool 4 deg C	PORT06	J21	08/11/2025	9012B
Q2836-03	WC-A2-15-C	Solid	Reactive Cyanide	Cool 4 deg C	ENTA05	J23	08/12/2025	9012B
Q2836-07	WC-A2-16-C	Solid	Reactive Cyanide	Cool 4 deg C	ENTA05	J23	08/12/2025	9012B
Q2836-11	WC-A2-17-C	Solid	Reactive Cyanide	Cool 4 deg C	ENTA05	J23	08/12/2025	9012B
Q2836-15	WC-A5-02-C	Solid	Reactive Cyanide	Cool 4 deg C	ENTA05	J23	08/12/2025	9012B
Q2838-04	TP-11	Solid	Reactive Cyanide	Cool 4 deg C	PSEG03	D21	08/12/2025	9012B
Q2838-08	TP-10	Solid	Reactive Cyanide	Cool 4 deg C	PSEG03	D21	08/12/2025	9012B

Date/Time 08/13/2025 08:10
Raw Sample Received by: RH cws
Raw Sample Relinquished by: TH Wall

Date/Time 08/13/2025 11:20
Raw Sample Received by: JOP Godej
Raw Sample Relinquished by: RH cws

SOP ID : M9030B-Sulfide-13

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-2

Weigh By : RM

Start Digest Date: 08/13/2025 Time : 11:00 Temp : N/A

End Digest Date: 08/13/2025 Time : 12:30 Temp : N/A

Digestion tube ID : M5595

Block Thermometer ID : N/A

Filter paper ID : N/A

Prep Technician Signature: RM

pH Meter ID : N/A

Supervisor Signature: JD

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP113086
FORMALDEHYDE	2.0ML	W3220
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

08/13/2025 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169218BL	PBS218	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-03DUP	WC-A7-01-CDUP	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-03	WC-A7-01-C	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2826-02	WC1	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2827-04	TP-8	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2827-08	TP-9	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2831-03	VNJ-238	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-02	TG-S01	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-04	TG-S02	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-06	TG-S03	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-08	TG-S04	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2832-10	TG-S05	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2836-03	WC-A2-15-C	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2836-07	WC-A2-16-C	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2836-11	WC-A2-17-C	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2836-15	WC-A5-02-C	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-04	TP-11	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q2838-08	TP-10	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : RSUL-8-12 WorkList ID : 191230 Department : Distillation Date : 08-12-2025 15:31:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-03	WC-A7-01-C	Solid	Reactive Sulfide	Cool 4 deg C	ENTA05	J21	08/12/2025	9034
Q2826-02	WC1	Solid	Reactive Sulfide	Cool 4 deg C	GENV01	D31	08/11/2025	9034
Q2827-04	TP-8	Solid	Reactive Sulfide	Cool 4 deg C	PSEG03	D31	08/11/2025	9034
Q2827-08	TP-9	Solid	Reactive Sulfide	Cool 4 deg C	PSEG03	D31	08/11/2025	9034
Q2831-03	VNJ-238	Solid	Reactive Sulfide	Cool 4 deg C	PSEG03	D21	08/11/2025	9034
Q2832-02	TG-S01	Solid	Reactive Sulfide	Cool 4 deg C	PORT06	J21	08/11/2025	9034
Q2832-04	TG-S02	Solid	Reactive Sulfide	Cool 4 deg C	PORT06	J21	08/11/2025	9034
Q2832-06	TG-S03	Solid	Reactive Sulfide	Cool 4 deg C	PORT06	J21	08/11/2025	9034
Q2832-08	TG-S04	Solid	Reactive Sulfide	Cool 4 deg C	PORT06	J21	08/11/2025	9034
Q2832-10	TG-S02	Solid	Reactive Sulfide	Cool 4 deg C	PORT06	J21	08/11/2025	9034
Q2836-03	WC-A2-15-C	Solid	Reactive Sulfide	Cool 4 deg C	ENTA05	J23	08/12/2025	9034
Q2836-07	WC-A2-16-C	Solid	Reactive Sulfide	Cool 4 deg C	ENTA05	J23	08/12/2025	9034
Q2836-11	WC-A2-17-C	Solid	Reactive Sulfide	Cool 4 deg C	ENTA05	J23	08/12/2025	9034
Q2836-15	WC-A5-02-C	Solid	Reactive Sulfide	Cool 4 deg C	ENTA05	J23	08/12/2025	9034
Q2838-04	TP-11	Solid	Reactive Sulfide	Cool 4 deg C	PSEG03	D21	08/12/2025	9034
Q2838-08	TP-10	Solid	Reactive Sulfide	Cool 4 deg C	PSEG03	D21	08/12/2025	9034

Date/Time 08/13/2025 08.10
 Raw Sample Received by: RM wy
 Raw Sample Relinquished by: RM celly

Date/Time 08/13/2025 11:20
 Raw Sample Received by: RM aej
 Raw Sample Relinquished by: RM celly

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QC Batch ID # LB136786

Review By	Eman	Review On	8/12/2025 2:25:42 PM
Supervise By	jignesh	Supervise On	8/12/2025 2:28:51 PM
SubDirectory	LB136786	Test	Ignitability
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q2808-01	TP-7	SAM	08/12/25 10:10		rubina	OK
2	Q2808-01DUP	TP-7DUP	DUP	08/12/25 10:17		rubina	OK
3	Q2808-04	TP-7	SAM	08/12/25 10:24		rubina	OK
4	Q2826-02	WC1	SAM	08/12/25 10:32		rubina	OK
5	Q2827-01	TP-8	SAM	08/12/25 10:40		rubina	OK
6	Q2827-04	TP-8	SAM	08/12/25 10:47		rubina	OK
7	Q2827-05	TP-9	SAM	08/12/25 10:55		rubina	OK
8	Q2827-08	TP-9	SAM	08/12/25 11:02		rubina	OK
9	Q2831-01	VNJ-238	SAM	08/12/25 11:10		rubina	OK
10	Q2831-03	VNJ-238	SAM	08/12/25 11:17		rubina	OK
11	Q2832-02	TG-S01	SAM	08/12/25 11:25		rubina	OK
12	Q2832-04	TG-S02	SAM	08/12/25 11:32		rubina	OK
13	Q2832-06	TG-S03	SAM	08/12/25 11:40		rubina	OK
14	Q2832-08	TG-S04	SAM	08/12/25 11:47		rubina	OK
15	Q2832-10	TG-S05	SAM	08/12/25 11:55		rubina	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136793

Review By	jignesh	Review On	8/12/2025 4:55:27 PM
Supervise By	rubina	Supervise On	8/13/2025 12:55:13 PM
SubDirectory	LB136793	Test	Corrosivity
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/12/25 14:40		Jignesh	OK
2	CAL2	CAL2	CAL	08/12/25 14:41		Jignesh	OK
3	CAL3	CAL3	CAL	08/12/25 14:42		Jignesh	OK
4	ICV	ICV	ICV	08/12/25 14:45		Jignesh	OK
5	CCV1	CCV1	CCV	08/12/25 14:47		Jignesh	OK
6	Q2732-03	WC-A7-01-C	SAM	08/12/25 15:00		Jignesh	OK
7	Q2732-03DUP	WC-A7-01-CDUP	DUP	08/12/25 15:02		Jignesh	OK
8	Q2832-04	TG-S02	SAM	08/12/25 15:15		Jignesh	OK
9	Q2832-02	TG-S01	SAM	08/12/25 15:25		Jignesh	OK
10	Q2832-06	TG-S03	SAM	08/12/25 15:25		Jignesh	OK
11	Q2832-08	TG-S04	SAM	08/12/25 15:44		Jignesh	OK
12	Q2832-10	TG-S05	SAM	08/12/25 15:47		Jignesh	OK
13	Q2836-03	WC-A2-15-C	SAM	08/12/25 16:00		Jignesh	OK
14	Q2836-07	WC-A2-16-C	SAM	08/12/25 16:10		Jignesh	OK
15	Q2836-11	WC-A2-17-C	SAM	08/12/25 16:25		Jignesh	OK
16	CCV2	CCV2	CCV	08/12/25 16:26		Jignesh	OK
17	Q2836-15	WC-A5-02-C	SAM	08/12/25 16:30		Jignesh	OK
18	Q2838-04	TP-11	SAM	08/12/25 16:38		Jignesh	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136793

Review By	jignesh	Review On	8/12/2025 4:55:27 PM
Supervise By	rubina	Supervise On	8/13/2025 12:55:13 PM
SubDirectory	LB136793	Test	Corrosivity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200

19	Q2838-08	TP-10	SAM	08/12/25 16:40		Jignesh	OK
20	CCV3	CCV3	CCV	08/12/25 16:44		Jignesh	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136800

Review By	rubina	Review On	8/14/2025 11:26:59 AM
Supervise By	Sohil	Supervise On	8/14/2025 11:33:50 AM
SubDirectory	LB136800	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP114269,WP114270,WP114271,WP114272,WP114273,WP114274,WP114274		
ICV Standard	WP114276		
CCV Standard	WP114270		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112643,WP112900,WP114277		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/13/25 11:54		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/13/25 11:54		rubina	OK
3	10PPBCN	10PPBCN	CAL3	08/13/25 11:54		rubina	OK
4	50PPBCN	50PPBCN	CAL4	08/13/25 11:54		rubina	OK
5	100PPBCN	100PPBCN	CAL5	08/13/25 11:54		rubina	OK
6	250PPBCN	250PPBCN	CAL6	08/13/25 11:54		rubina	OK
7	500PPBCN	500PPBCN	CAL7	08/13/25 11:54		rubina	OK
8	ICV1	ICV1	ICV	08/13/25 12:37		rubina	OK
9	ICB1	ICB1	ICB	08/13/25 12:37		rubina	OK
10	CCV1	CCV1	CCV	08/13/25 12:37		rubina	OK
11	CCB1	CCB1	CCB	08/13/25 12:37		rubina	OK
12	PB169217BL	PB169217BL	MB	08/13/25 12:38		rubina	OK
13	Q2732-03	WC-A7-01-C	SAM	08/13/25 12:45		rubina	OK
14	Q2732-03DUP	WC-A7-01-CDUP	DUP	08/13/25 12:45		rubina	OK
15	Q2826-02	WC1	SAM	08/13/25 12:45		rubina	OK
16	Q2827-04	TP-8	SAM	08/13/25 12:45		rubina	OK
17	Q2827-08	TP-9	SAM	08/13/25 12:45		rubina	OK
18	Q2831-03	VNJ-238	SAM	08/13/25 12:45		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136800

Review By	rubina	Review On	8/14/2025 11:26:59 AM
Supervise By	Sohil	Supervise On	8/14/2025 11:33:50 AM
SubDirectory	LB136800	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP114269,WP114270,WP114271,WP114272,WP114273,WP114274,WP114274		
ICV Standard	WP114276		
CCV Standard	WP114270		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112643,WP112900,WP114277		

19	Q2832-02	TG-S01	SAM	08/13/25 12:45		rubina	OK
20	Q2832-04	TG-S02	SAM	08/13/25 12:45		rubina	OK
21	Q2832-06	TG-S03	SAM	08/13/25 12:45		rubina	OK
22	CCV2	CCV2	CCV	08/13/25 12:53		rubina	OK
23	CCB2	CCB2	CCB	08/13/25 12:53		rubina	OK
24	Q2832-08	TG-S04	SAM	08/13/25 12:53		rubina	OK
25	Q2832-10	TG-S05	SAM	08/13/25 12:53		rubina	OK
26	Q2836-03	WC-A2-15-C	SAM	08/13/25 12:53		rubina	OK
27	Q2836-07	WC-A2-16-C	SAM	08/13/25 12:53		rubina	OK
28	Q2836-11	WC-A2-17-C	SAM	08/13/25 12:53		rubina	OK
29	Q2836-15	WC-A5-02-C	SAM	08/13/25 13:00		rubina	OK
30	Q2838-04	TP-11	SAM	08/13/25 13:00		rubina	OK
31	Q2838-08	TP-10	SAM	08/13/25 13:00		rubina	OK
32	CCV3	CCV3	CCV	08/13/25 13:00		rubina	OK
33	CCB3	CCB3	CCB	08/13/25 13:00		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136802

Review By	rubina	Review On	8/13/2025 3:12:14 PM
Supervise By	jignesh	Supervise On	8/13/2025 4:47:28 PM
SubDirectory	LB136802	Test	Hexavalent Chromium
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP114259,WP112831,WP112830,WP113087		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/13/25 12:45		rubina	OK
2	CAL2	CAL2	CAL	08/13/25 12:46		rubina	OK
3	CAL3	CAL3	CAL	08/13/25 12:47		rubina	OK
4	CAL4	CAL4	CAL	08/13/25 12:48		rubina	OK
5	CAL5	CAL5	CAL	08/13/25 12:49		rubina	OK
6	CAL6	CAL6	CAL	08/13/25 12:50		rubina	OK
7	CAL7	CAL7	CAL	08/13/25 12:51		rubina	OK
8	ICV	ICV	ICV	08/13/25 12:52		rubina	OK
9	ICB	ICB	ICB	08/13/25 12:53		rubina	OK
10	CCV1	CCV1	CCV	08/13/25 12:54		rubina	OK
11	CCB1	CCB1	CCB	08/13/25 12:55		rubina	OK
12	RL Check	RL Check	RL	08/13/25 12:56		rubina	OK
13	PB169216BL	PB169216BL	MB	08/13/25 12:57		rubina	OK
14	PB169216BS	PB169216BS	LCS	08/13/25 12:58		rubina	OK
15	Q2772-01	500-3B-SOIL	SAM	08/13/25 12:59		rubina	OK
16	Q2827-01	TP-8	SAM	08/13/25 13:00		rubina	OK
17	Q2827-05	TP-9	SAM	08/13/25 13:01		rubina	OK
18	Q2831-01	VNJ-238	SAM	08/13/25 13:02		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136802

Review By	rubina	Review On	8/13/2025 3:12:14 PM
Supervise By	jignesh	Supervise On	8/13/2025 4:47:28 PM
SubDirectory	LB136802	Test	Hexavalent Chromium
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP114259,WP112831,WP112830,WP113087		

19	Q2832-01	TG-S01	SAM	08/13/25 13:03		rubina	OK
20	Q2832-03	TG-S02	SAM	08/13/25 13:04		rubina	OK
21	Q2832-05	TG-S03	SAM	08/13/25 13:05		rubina	OK
22	Q2832-07	TG-S04	SAM	08/13/25 13:06		rubina	OK
23	CCV2	CCV2	CCV	08/13/25 13:07		rubina	OK
24	CCB2	CCB2	CCB	08/13/25 13:08		rubina	OK
25	Q2832-09	TG-S05	SAM	08/13/25 13:09		rubina	OK
26	Q2838-01	TP-11	SAM	08/13/25 13:10		rubina	OK
27	Q2838-05	TP-10	SAM	08/13/25 13:11		rubina	OK
28	Q2838-05DUP	TP-10DUP	DUP	08/13/25 13:12		rubina	OK
29	Q2838-05MSPre	TP-10MS	MS	08/13/25 13:13		rubina	OK
30	Q2838-05MS2Ins	TP-10MS	MS	08/13/25 13:14		rubina	OK
31	Q2838-05MS3Post	TP-10MS	MS	08/13/25 13:15		rubina	OK
32	CCV3	CCV3	CCV	08/13/25 13:16		rubina	OK
33	CCB3	CCB3	CCB	08/13/25 13:17		rubina	OK

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB136810

Review By	rubina	Review On	8/13/2025 4:33:41 PM
Supervise By	jignesh	Supervise On	8/13/2025 4:46:38 PM
SubDirectory	LB136810	Test	Reactive Sulfide
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3105,W3213,W3149		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q2836-11	WC-A2-17-C	SAM	08/13/25 13:35		rubina	OK
2	PB169218BL	PB169218BL	MB	08/13/25 15:00		rubina	OK
3	Q2732-03	WC-A7-01-C	SAM	08/13/25 15:03		rubina	OK
4	Q2732-03DUP	WC-A7-01-CDUP	DUP	08/13/25 15:06		rubina	OK
5	Q2826-02	WC1	SAM	08/13/25 15:08		rubina	OK
6	Q2827-04	TP-8	SAM	08/13/25 15:10		rubina	OK
7	Q2827-08	TP-9	SAM	08/13/25 15:13		rubina	OK
8	Q2831-03	VNJ-238	SAM	08/13/25 15:15		rubina	OK
9	Q2832-02	TG-S01	SAM	08/13/25 15:18		rubina	OK
10	Q2832-04	TG-S02	SAM	08/13/25 15:20		rubina	OK
11	Q2832-06	TG-S03	SAM	08/13/25 15:23		rubina	OK
12	Q2832-08	TG-S04	SAM	08/13/25 15:25		rubina	OK
13	Q2832-10	TG-S05	SAM	08/13/25 15:28		rubina	OK
14	Q2836-03	WC-A2-15-C	SAM	08/13/25 15:30		rubina	OK
15	Q2836-07	WC-A2-16-C	SAM	08/13/25 15:33		rubina	OK
16	Q2836-15	WC-A5-02-C	SAM	08/13/25 15:38		rubina	OK
17	Q2838-04	TP-11	SAM	08/13/25 15:41		rubina	OK
18	Q2838-08	TP-10	SAM	08/13/25 15:44		rubina	OK

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC:LB136783

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
Q2732-02	WC-A7-01-C	74	1.15	10.37	11.52	11.18	96.7	
Q2819-01	22BP-N	1	1.15	10.16	11.31	9.57	82.9	
Q2819-02	22BP-E	2	1.16	10.67	11.83	10.3	85.7	
Q2819-03	22BP-W	3	1.16	10.83	11.99	10.45	85.8	
Q2819-04	22BP-S	4	1.15	9.96	11.11	9.92	88.1	
Q2819-05	11M-W	5	1.14	10.45	11.59	10.7	91.5	
Q2819-06	11M-S	6	1.16	10.83	11.99	10.96	90.5	
Q2819-07	11M-N	7	1.16	10.81	11.97	9.37	75.9	
Q2819-08	11M-E	8	1.17	10.27	11.44	8.54	71.8	
Q2819-09	84SB-E	9	1.13	10.62	11.75	5.12	37.6	
Q2819-10	84SB-S	10	1.18	10.11	11.29	10.51	92.3	
Q2819-11	84SB-W	11	1.14	10.14	11.28	9.94	86.8	
Q2819-12	17M-S	12	1.19	118.66	119.85	11.15	8.4	
Q2819-13	17M-E	13	1.17	10.38	11.55	9.86	83.7	
Q2819-14	17M-W	14	1.15	10.46	11.61	10.1	85.6	
Q2819-15	17M-N	15	1.15	10.57	11.72	9.96	83.3	
Q2819-16	38M-S	16	1.15	10.77	11.92	11.1	92.4	
Q2819-17	38M-N	17	1.16	10.41	11.57	10.27	87.5	
Q2819-18	38M-W	18	1.14	10.66	11.8	10.34	86.3	
Q2819-19	38M-E	19	1.13	10.13	11.26	10.02	87.8	
Q2819-20	82H-E	20	1.17	10.64	11.81	9.38	77.2	
Q2820-01	82H-S	21	1.16	10.76	11.92	10.04	82.5	
Q2820-02	82H-W	22	1.15	11.21	12.36	10.51	83.5	
Q2820-03	82H-N	23	1.16	11.14	12.3	10.9	87.4	
Q2820-04	SOIL-DUP-1	24	1.16	10.83	11.99	10.56	86.8	
Q2820-05	518R-E	25	1.16	10.40	11.56	6.23	48.8	
Q2820-06	518R-N	26	1.18	10.55	11.73	9.35	77.4	
Q2820-07	518R-S	27	1.17	10.52	11.69	9.44	78.6	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC:LB136783

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
Q2820-08	518R-W	28	1.13	10.80	11.93	10.74	89.0	
Q2820-09	705R-S	29	1.14	10.59	11.73	7.05	55.8	
Q2820-10	SOIL-DUP-2	30	1.15	10.87	12.02	6.41	48.4	
Q2820-11	10PC-W	31	1.11	10.25	11.36	10.58	92.4	
Q2820-12	10PC-S	32	1.19	10.52	11.71	10.88	92.1	
Q2820-13	10P-W	33	1.14	10.09	11.23	10.34	91.2	
Q2820-14	10P-E	34	1.19	10.37	11.56	9.62	81.3	
Q2820-15	10P-S	35	1.18	10.21	11.39	10.22	88.5	
Q2820-16	10P-N	36	1.11	10.09	11.2	9.81	86.2	
Q2820-17	88H-E	37	1.16	10.42	11.58	9.77	82.6	
Q2820-18	88H-N	38	1.16	10.90	12.06	10.57	86.3	
Q2820-19	88H-W	39	1.18	10.66	11.84	10.62	88.6	
Q2820-20	88H-S	40	1.18	10.12	11.3	9.74	84.6	
Q2820-21	22M-N	41	1.14	11.06	12.2	11.34	92.2	
Q2820-22	22M-W	42	1.17	10.90	12.07	6.94	52.9	
Q2820-23	22M-E	43	1.17	10.27	11.44	4.66	34.0	
Q2820-24	22M-S	44	1.13	10.68	11.81	10.63	89.0	
Q2832-01	TG-S01	45	1.15	10.46	11.61	10.92	93.4	
Q2832-03	TG-S02	46	1.18	10.41	11.59	10.97	94.0	
Q2832-05	TG-S03	47	1.15	10.50	11.65	11.00	93.8	
Q2832-07	TG-S04	48	1.17	10.58	11.75	11.02	93.1	
Q2832-09	TG-S05	49	1.15	10.40	11.55	10.6	90.9	
Q2836-02	WC-A2-15-C	75	1.18	10.38	11.56	9.67	81.8	
Q2836-06	WC-A2-16-C	76	1.19	10.43	11.62	10.66	90.8	
Q2836-10	WC-A2-17-C	77	1.19	10.48	11.67	10.96	93.2	
Q2836-14	WC-A5-02-C	78	1.19	10.17	11.36	8.8	74.8	
Q2838-01	TP-11	50	1.14	10.60	11.74	10.44	87.7	
Q2838-02	TP-11-EPH	51	1.14	10.85	11.99	9.57	77.7	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC:LB136783

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
Q2838-03	TP-11-VOC	52	1.19	11.24	12.43	9.97	78.1	
Q2838-05	TP-10	53	1.14	11.08	12.22	10.75	86.7	
Q2838-06	TP-10-EPH	54	1.18	10.42	11.6	7.63	61.9	
Q2838-07	TP-10-VOC	55	1.18	10.50	11.68	8.68	71.4	
Q2839-01	BC274436-1-1	56	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-02	BC274436-1-2	57	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-03	BC151973-1-1	58	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-04	BC151973-1-2	59	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-05	BC271336-1-1	60	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-06	BC271336-1-2	61	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-07	BC271242-1-1	62	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-08	BC271242-1-2	63	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-09	BC271242-2-1	64	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-10	BC271242-2-2	65	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-11	BC226751-1-1	66	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-12	BC226751-1-2	67	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-13	BC226751-2-1	68	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-14	BC226751-2-2	69	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-15	JEC773V-1-1	70	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-16	JEC773V-1-2	71	1.00	1.00	2.00	2.00	100.0	PILC
Q2840-01	0804-SOIL	72	1.12	11.32	12.44	10.42	82.2	
Q2840-02	0804-D	73	1.00	1.00	2.00	2.00	100.0	debris

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

WORKLIST(Hardcopy Internal Chain)

136783

WorkList Name : %1-081225

WorkList ID : 191210

Department : Wet-Chemistry

Date : 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2820-06	518R-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-07	518R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-08	518R-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-09	705R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-10	SOIL-DUP-2	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2819-19	38M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-20	82H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-01	82H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-02	82H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-03	82H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-04	SOIL-DUP-1	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-13	17M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-14	17M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-15	17M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-16	38M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-17	38M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-18	38M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-07	11M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-08	11M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-09	84SB-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-10	84SB-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO

Date/Time 08/12/25 15:40
 Raw Sample Received by: SP WCL
 Raw Sample Relinquished by: SP WCL

Date/Time 08/12/25 17:35
 Raw Sample Received by: SP WCL
 Raw Sample Relinquished by: SP WCL

WORKLIST(Hardcopy Internal Chain)

136783

WorkList Name : %1-081225

WorkList ID : 191210

Department : Wet-Chemistry

Date : 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-01	22BP-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-02	22BP-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-03	22BP-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-04	22BP-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-05	11M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-06	11M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2820-23	22M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2820-24	22M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-17	88H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-18	88H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-19	88H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-20	88H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-21	22M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-22	22M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-11	10PC-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-12	10PC-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-13	10P-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-14	10P-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-15	10P-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-16	10P-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-05	518R-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Date/Time 08/12/25 17:35

Raw Sample Received by: 80 W2C

Raw Sample Received by: 80 W2C

Raw Sample Relinquished by: 80 W2C

Raw Sample Relinquished by: 80 W2C

WORKLIST(Hardcopy Internal Chain)

136783

WorkList Name : %1-081225 WorkList ID : 191210 Department : Wet-Chemistry Date : 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2839-04	BC151973-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-05	BC271336-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-06	BC271336-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-07	BC271242-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-08	BC271242-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-09	BC271242-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-10	BC271242-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-11	BC226751-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-12	BC226751-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-13	BC226751-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-14	BC226751-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-15	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-16	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2840-01	0804-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO
Q2840-02	0804-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 08/12/25 17:35

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

W 131783

WorkList Name : %1-081225 WorkList ID : 191210 Department : Wet-Chemistry Date : 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-11	84SB-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-12	17M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2832-01	TG-S01	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2732-02	WC-A7-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J21	08/12/2025	Chemtech -SO
Q2832-03	TG-S02	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-05	TG-S03	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-07	TG-S04	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-09	TG-S05	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/12/2025	Chemtech -SO
Q2836-02	WC-A2-15-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-06	WC-A2-16-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-10	WC-A2-17-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-14	WC-A5-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2838-01	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-02	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-03	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2839-01	BC274436-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-02	BC274436-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-03	BC151973-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO

Date/Time 08/12/25 15:00 Date/Time 08/12/25 17:35
 Raw Sample Received by: SP WCY Raw Sample Received by: CP SM
 Raw Sample Relinquished by: CP SM Raw Sample Relinquished by: SP WCY



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **Gannett Fleming**
ADDRESS: **1010 Abrams Ave**
CITY: **Auburn** STATE: **PA** ZIP: **19403**
ATTENTION: **Joe Krupansky**
PHONE: **610-301-8342** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Amtrak Replacement of Southern Bridges**
PROJECT NO.: LOCATION: **Keansburg, NJ**
PROJECT MANAGER: **Joe Krupansky**
e-mail: **Gjake@bemsys.com**
PHONE: **610-301-8342** FAX:

CLIENT BILLING INFORMATION

BILL TO: **Alliance** PO#: **284 Sheffield St**
ADDRESS: **284 Sheffield St**
CITY: **Mountainside** STATE: **NJ** ZIP: **07092**
ATTENTION: **Yazmen Gunez** PHONE: **908-728-3998**

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): **10** DAYS*
EDD: **10** DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
X EDD FORMAT **DEM EDD**

1. **TCL-Sink+25**
2. **TCL-Vol+10**
3. **PLBs**
4. **EPH**
5. **TAL Metals**
6. **TCLP Full Set**
7. **RLRA (PQ)**
8. **CRV/CCL**
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TG-S01	S		X	8/1/15	0815	9	X	X	X	X	X	X	X	X	X	
2.	TG-S02	I		I	9/15	0915	9	I	I	I	I	I	I	I	I	I	
3.	TG-S03	I		I	11/10	1110	9	I	I	I	I	I	I	I	I	I	
4.	TG-S04	I		I	13/15	1315	9	I	I	I	I	I	I	I	I	I	
5.	TG-S05	I		I	8/1/15	0725	9	I	I	I	I	I	I	I	I	I	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 8/1/15 0910	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 1.9 C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments: If Can't
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2832 PORT06

Order Date : 8/12/2025 9:37:00 AM

Project Mgr :

Client Name : Portal Partners Tri-Venture

Project Name : Amtrak Sawtooth Bridges 2

Report Type : NJ Reduced

Client Contact : Joseph Krupansky

Receive DateTime : 8/12/2025 9:10:00 AM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Portal Partners Tri-Venture

Purchase Order :

Hard Copy Date :

Invoice Contact : Joseph Krupansky

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2832-01	TG-S01	Solid	08/11/2025	08:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2832-03	TG-S02	Solid	08/11/2025	09:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2832-05	TG-S03	Solid	08/11/2025	11:10	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2832-07	TG-S04	Solid	08/11/2025	13:45	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2832-09	TG-S05	Solid	08/12/2025	07:25	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

8/12/25 10:15

Received By :

Date / Time :

08/12/25 10:15

Storage Area : VOA Refridgerator Room