



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 09:10
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-01	Matrix:	SOIL
		% Solid:	88.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.089	U	1	0.089	0.45	mg/Kg	03/07/25 09:00	03/07/25 12:16	7196A

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:	03/04/25 09:10
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.27	H	1	0	0	pH		03/05/25 16:20	9045D
Ignitability	NO		1	0	0	oC		03/06/25 11:08	1030
Reactive Cyanide	0.042	U	1	0.042	0.24	mg/Kg	03/05/25 11:00	03/05/25 16:22	9012B
Reactive Sulfide	6.30	J	1	0.19	10.0	mg/Kg	03/05/25 15:50	03/06/25 13:30	9034

Comments: pH result reported at temperature 23.7 °C

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 09:20
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-03	Matrix:	SOIL
		% Solid:	90.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.086	U	1	0.086	0.44	mg/Kg	03/07/25 09:00	03/07/25 12:17	7196A

Comments:

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LOQ = Limit of Quantitation

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 09:20
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.50	H	1	0	0	pH		03/05/25 16:25	9045D
Ignitability	NO		1	0	0	oC		03/06/25 11:15	1030
Reactive Cyanide	0.044	U	1	0.044	0.25	mg/Kg	03/05/25 11:00	03/05/25 16:22	9012B
Reactive Sulfide	3.17	J	1	0.19	10.0	mg/Kg	03/05/25 15:50	03/06/25 13:33	9034

Comments: pH result reported at temperature 22.6 °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

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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:	03/04/25 10:05
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-05	Matrix:	SOIL
		% Solid:	85.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.091	U	1	0.091	0.46	mg/Kg	03/07/25 09:00	03/07/25 12:18	7196A

Comments:

U = Not Detected

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D = Dilution

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J = Estimated Value

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 10:05
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-06	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.23	H	1	0	0	pH		03/05/25 16:30	9045D
Ignitability	NO		1	0	0	oC		03/06/25 11:22	1030
Reactive Cyanide	0.043	U	1	0.043	0.24	mg/Kg	03/05/25 11:00	03/05/25 16:22	9012B
Reactive Sulfide	6.37	J	1	0.19	10.0	mg/Kg	03/05/25 15:50	03/06/25 13:35	9034

Comments: pH result reported at temperature 22.4 °C

U = Not Detected

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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:	03/04/25 10:25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-07	Matrix:	SOIL
		% Solid:	80.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.096	U	1	0.096	0.49	mg/Kg	03/07/25 09:00	03/07/25 12:19	7196A

Comments: _____

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 10:25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-08	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.15	H	1	0	0	pH		03/05/25 16:33	9045D
Ignitability	NO		1	0	0	oC		03/06/25 11:30	1030
Reactive Cyanide	0.043	U	1	0.043	0.25	mg/Kg	03/05/25 11:00	03/05/25 16:22	9012B
Reactive Sulfide	3.16	J	1	0.19	10.0	mg/Kg	03/05/25 15:50	03/06/25 13:38	9034

Comments: pH result reported at temperature 22.3 °C

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

B = Analyte Found in Associated Method Blank

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 12:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-09	Matrix:	SOIL
		% Solid:	82.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.094	U	1	0.094	0.48	mg/Kg	03/07/25 09:00	03/07/25 12:20	7196A

Comments:

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H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 12:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-10	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.50	H	1	0	0	pH		03/05/25 16:35	9045D
Ignitability	NO		1	0	0	oC		03/06/25 11:38	1030
Reactive Cyanide	0.042	U	1	0.042	0.24	mg/Kg	03/05/25 11:00	03/05/25 16:23	9012B
Reactive Sulfide	1.58	J	1	0.19	10.0	mg/Kg	03/05/25 15:50	03/06/25 13:41	9034

Comments: pH result reported at temperature 21.4 °C

U = Not Detected

LOQ = Limit of Quantitation

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B = Analyte Found in Associated Method Blank

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 12:10
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-11	Matrix:	SOIL
		% Solid:	81.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.097	U	1	0.097	0.49	mg/Kg	03/07/25 09:00	03/07/25 12:21	7196A

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 12:10
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-12	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.06	H	1	0	0	pH		03/05/25 16:40	9045D
Ignitability	NO		1	0	0	oC		03/06/25 11:45	1030
Reactive Cyanide	0.044	U	1	0.044	0.25	mg/Kg	03/05/25 11:00	03/05/25 16:23	9012B
Reactive Sulfide	4.77	J	1	0.19	10.0	mg/Kg	03/05/25 15:50	03/06/25 13:44	9034

Comments: pH result reported at temperature 21.4 °C

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 10:45
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-13	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		03/04/25 16:59	7196A

Comments:

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 B = Analyte Found in Associated Method Blank
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 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25 12:30
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		03/04/25 17:00	7196A

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

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

SDG No.: Q1488
RunNo.: LB134896

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	03/04/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	03/04/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	03/04/2025

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture

SDG No.: Q1488

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB134907

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.02	7	100	90-110	03/05/2025
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	03/05/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	03/05/2025
Sample ID: Corrosivity	CCV3	pH	2.01	2.00	101	90-110	03/05/2025

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture

SDG No.: Q1488

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB134914

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	03/05/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	03/05/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	03/05/2025
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	03/05/2025

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture

SDG No.: Q1488

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB134940

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	03/07/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	03/07/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	03/07/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	03/07/2025
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	03/07/2025

Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture

SDG No.: Q1488

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB134896

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/04/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/04/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/04/2025

Initial and Continuing Calibration Blank Summary

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

SDG No.: Q1488
RunNo.: LB134914

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/05/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/05/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/05/2025
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/05/2025

Initial and Continuing Calibration Blank Summary

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

SDG No.: Q1488
RunNo.: LB134940

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025

Preparation Blank Summary

Client: Portal Partners Tri-Venture

SDG No.: Q1488

Project: Amtrak Sawtooth Bridges 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134896BL Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	03/04/2025
Sample ID: PB166991BL Reactive Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	03/05/2025
Sample ID: PB166998BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	03/06/2025
Sample ID: PB167023BL Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	03/07/2025

Matrix Spike Summary

Client:

Portal Partners Tri-Venture

SDG No.:

Q1488

Project:

Amtrak Sawtooth Bridges 2025

Sample ID:

Q1488-14

Client ID:

ENV-104-GW01MS

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	0.98		0.0030	U	1.0	2	98		03/04/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1488-14
Client ID:	ENV-104-GW01MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	0.98		0.0030	U	1.0	2	98		03/04/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1514-05
Client ID:	ENV-103-SB01MS	Percent Solids for Spike Sample:	89.1

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	1380		0.087	U	1440	40	96		03/07/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1514-05
Client ID:	ENV-103-SB01MS	Percent Solids for Spike Sample:	89.1

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	42.5		0.087	U	44.9	2	95		03/07/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1514-05
Client ID:	ENV-103-SB01MS	Percent Solids for Spike Sample:	89.1

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	38.2		0.087	U	44.9	2	85		03/07/2025

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1481-01
Client ID:	WC-K1311DUP	Percent Solids for Spike Sample:	90.2

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		03/06/2025

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1481-02
Client ID:	WC-K1311DUP	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
Reactive Cyanide	mg/Kg	+/-20	0.042	U	0.043	U	1	0		03/05/2025
Reactive Sulfide	mg/Kg	+/-20	3.19	J	3.19	J	1	0		03/06/2025

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1488-02
Client ID:	ENV-101-SB01DUP	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	6.27		6.28		1	0.16		03/05/2025

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1488-14
Client ID:	ENV-104-GW01DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	0.0030	U	0.0030	U	1	0		03/04/2025

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q1488
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q1488-14
Client ID:	ENV-104-GW01MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	0.98		0.98		2	0.41		03/04/2025

Duplicate Sample Summary

Client: Portal Partners Tri-Venture Project: Amtrak Sawtooth Bridges 2025 Client ID: ENV-103-SB01DUP	SDG No.: Q1488 Sample ID: Q1514-05 Percent Solids for Spike Sample: 89.1
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.087	U	0.087	U	1	0		03/07/2025

Laboratory Control Sample Summary

Client: Portal Partners Tri-Venture

SDG No.: Q1488

Project: Amtrak Sawtooth Bridges 2025

Run No.: LB134896

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134896BS							
Hexavalent Chromium	mg/L	0.5	0.50		101	1	90-111	03/04/2025

Laboratory Control Sample Summary

Client: Portal Partners Tri-Venture

SDG No.: Q1488

Project: Amtrak Sawtooth Bridges 2025

Run No.: LB134940

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167023BS							
Hexavalent Chromium	mg/Kg	20	20.1		101	1	84-110	03/07/2025

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134896

Review By	rubina	Review On	3/5/2025 8:56:08 AM
Supervise By	Iwona	Supervise On	3/5/2025 12:56:01 PM
SubDirectory	LB134896	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	WP112169,WP112168,WP112166,WP112165,WP112061,WP110380,WP112167,WP112172,WP112170,WP112171		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/04/25 16:45		rubina	OK
2	CAL2	CAL2	CAL	03/04/25 16:46		rubina	OK
3	CAL3	CAL3	CAL	03/04/25 16:47		rubina	OK
4	CAL4	CAL4	CAL	03/04/25 16:48		rubina	OK
5	CAL5	CAL5	CAL	03/04/25 16:49		rubina	OK
6	CAL6	CAL6	CAL	03/04/25 16:50		rubina	OK
7	CAL7	CAL7	CAL	03/04/25 16:51		rubina	OK
8	ICV	ICV	ICV	03/04/25 16:52		rubina	OK
9	ICB	ICB	ICB	03/04/25 16:53		rubina	OK
10	CCV1	CCV1	CCV	03/04/25 16:54		rubina	OK
11	CCB1	CCB1	CCB	03/04/25 16:55		rubina	OK
12	RL Check	RL Check	SAM	03/04/25 16:56		rubina	OK
13	LB134896BL	LB134896BL	MB	03/04/25 16:57		rubina	OK
14	LB134896BS	LB134896BS	LCS	03/04/25 16:58		rubina	OK
15	Q1488-13	ENV-102-GW01	SAM	03/04/25 16:59		rubina	OK
16	Q1488-14	ENV-104-GW01	SAM	03/04/25 17:00		rubina	OK
17	Q1488-14DUP	ENV-104-GW01DUP	DUP	03/04/25 17:01		rubina	OK
18	Q1488-14MS	ENV-104-GW01MS	MS	03/04/25 17:02	1ML WP111315+99.0ML SAMPLE	rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134896

Review By	rubina	Review On	3/5/2025 8:56:08 AM
Supervise By	Iwona	Supervise On	3/5/2025 12:56:01 PM
SubDirectory	LB134896	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	WP112169,WP112168,WP112166,WP112165,WP112061,WP110380,WP112167,WP112172,WP112170,WP112171

19	Q1488-14MSD	ENV-104-GW01MSD	MSD	03/04/25 17:03	1ML WP111315+99.0ML SAMPLE	rubina	OK
20	CCV2	CCV2	CCV	03/04/25 17:04		rubina	OK
21	CCB2	CCB2	CCB	03/04/25 17:05		rubina	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134907

Review By	jignesh	Review On	3/6/2025 8:36:25 AM
Supervise By	Iwona	Supervise On	3/6/2025 11:58:21 AM
SubDirectory	LB134907	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	W3107,W3093,W3094,W3071,W3161,W3072		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/05/25 16:00		Jignesh	OK
2	CAL2	CAL2	CAL	03/05/25 16:01		Jignesh	OK
3	CAL3	CAL3	CAL	03/05/25 16:05		Jignesh	OK
4	ICV	ICV	ICV	03/05/25 16:10		Jignesh	OK
5	CCV1	CCV1	CCV	03/05/25 16:15		Jignesh	OK
6	Q1488-02	ENV-101-SB01	SAM	03/05/25 16:20		Jignesh	OK
7	Q1488-02DUP	ENV-101-SB01DUP	DUP	03/05/25 16:21		Jignesh	OK
8	Q1488-04	ENV-101-SB02	SAM	03/05/25 16:25		Jignesh	OK
9	Q1488-06	ENV-102-SB01	SAM	03/05/25 16:30		Jignesh	OK
10	Q1488-08	ENV-102-SB02	SAM	03/05/25 16:33		Jignesh	OK
11	Q1488-10	ENV-104-SB01	SAM	03/05/25 16:35		Jignesh	OK
12	Q1488-12	ENV-104-SB02	SAM	03/05/25 16:40		Jignesh	OK
13	Q1490-02	CLAY-SLUDGE-DRUM	SAM	03/05/25 16:47		Jignesh	OK
14	Q1494-04	ASPHALT-SOIL	SAM	03/05/25 16:50		Jignesh	OK
15	Q1494-06	SOIL	SAM	03/05/25 17:00		Jignesh	OK
16	CCV2	CCV2	CCV	03/05/25 17:10		Jignesh	OK
17	CCV3	CCV3	CCV	03/05/25 17:20		Jignesh	OK
18	Q1494-08	SOIL-COMP	SAM	03/06/25 17:15		Jignesh	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB134914

Review By	Niha	Review On	3/6/2025 2:35:01 PM
Supervise By	Iwona	Supervise On	3/7/2025 11:53:49 AM
SubDirectory	LB134914	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP112187,WP112188,WP112189,WP112190,WP112191,WP112192,WP112193		
ICV Standard	WP112194		
CCV Standard	WP112188		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111035,WP110103,WP112195		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/05/25 13:12		Niha	OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/05/25 13:12		Niha	OK
3	10PPBCN	10PPBCN	CAL3	03/05/25 13:12		Niha	OK
4	50PPBCN	50PPBCN	CAL4	03/05/25 13:12		Niha	OK
5	100PPBCN	100PPBCN	CAL5	03/05/25 13:12		Niha	OK
6	250PPBCN	250PPBCN	CAL6	03/05/25 13:12		Niha	OK
7	500PPBCN	500PPBCN	CAL7	03/05/25 13:12		Niha	OK
8	ICV1	ICV1	ICV	03/05/25 16:15		Niha	OK
9	ICB1	ICB1	ICB	03/05/25 16:15		Niha	OK
10	CCV1	CCV1	CCV	03/05/25 16:15		Niha	OK
11	CCB1	CCB1	CCB	03/05/25 16:15		Niha	OK
12	PB166991BL	PB166991BL	MB	03/05/25 16:15		Niha	OK
13	Q1481-02	WC-K1311	SAM	03/05/25 16:15		Niha	OK
14	Q1481-02DUP	WC-K1311DUP	DUP	03/05/25 16:22		Niha	OK
15	Q1484-06	TR-OTR-COMP-01	SAM	03/05/25 16:22		Niha	OK
16	Q1488-02	ENV-101-SB01	SAM	03/05/25 16:22		Niha	OK
17	Q1488-04	ENV-101-SB02	SAM	03/05/25 16:22		Niha	OK
18	Q1488-06	ENV-102-SB01	SAM	03/05/25 16:22		Niha	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB134914

Review By	Niha	Review On	3/6/2025 2:35:01 PM
Supervise By	Iwona	Supervise On	3/7/2025 11:53:49 AM
SubDirectory	LB134914	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP112187,WP112188,WP112189,WP112190,WP112191,WP112192,WP112193		
ICV Standard	WP112194		
CCV Standard	WP112188		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111035,WP110103,WP112195		

19	Q1488-08	ENV-102-SB02	SAM	03/05/25 16:22		Niha	OK
20	Q1488-10	ENV-104-SB01	SAM	03/05/25 16:23		Niha	OK
21	Q1488-12	ENV-104-SB02	SAM	03/05/25 16:23		Niha	OK
22	CCV2	CCV2	CCV	03/05/25 16:23		Niha	OK
23	CCB2	CCB2	CCB	03/05/25 16:29		Niha	OK
24	PB166993BL	PB166993BL	MB	03/05/25 16:29		Niha	OK
25	Q1480-33	TP-3-WATER-SAMPL	SAM	03/05/25 16:29		Niha	OK
26	Q1480-33DUP	TP-3-WATER-SAMPL	DUP	03/05/25 16:29		Niha	OK
27	CCV3	CCV3	CCV	03/05/25 16:29		Niha	OK
28	CCB3	CCB3	CCB	03/05/25 16:29		Niha	OK

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QC Batch ID # LB134927

Review By	Iwona	Review On	3/6/2025 2:09:49 PM
Supervise By	jignesh	Supervise On	3/6/2025 2:18:54 PM
SubDirectory	LB134927	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	Q1481-01	WC-K1311	SAM	03/06/25 10:30		Iwona	OK
2	Q1481-01DUP	WC-K1311DUP	DUP	03/06/25 10:38		Iwona	OK
3	Q1481-02	WC-K1311	SAM	03/06/25 10:45		Iwona	OK
4	Q1484-01	TR-OTR-COMP-01	SAM	03/06/25 10:52		Iwona	OK
5	Q1484-06	TR-OTR-COMP-01	SAM	03/06/25 11:00		Iwona	OK
6	Q1488-02	ENV-101-SB01	SAM	03/06/25 11:08		Iwona	OK
7	Q1488-04	ENV-101-SB02	SAM	03/06/25 11:15		Iwona	OK
8	Q1488-06	ENV-102-SB01	SAM	03/06/25 11:22		Iwona	OK
9	Q1488-08	ENV-102-SB02	SAM	03/06/25 11:30		Iwona	OK
10	Q1488-10	ENV-104-SB01	SAM	03/06/25 11:38		Iwona	OK
11	Q1488-12	ENV-104-SB02	SAM	03/06/25 11:45		Iwona	OK
12	Q1490-01	CLAY-SLUDGE-DRUM	SAM	03/06/25 11:52		Iwona	OK
13	Q1490-02	CLAY-SLUDGE-DRUM	SAM	03/06/25 12:00		Iwona	OK
14	Q1494-03	ASPHALT-SOIL	SAM	03/06/25 12:07		Iwona	OK
15	Q1494-04	ASPHALT-SOIL	SAM	03/06/25 12:15		Iwona	OK
16	Q1494-05	SOIL	SAM	03/06/25 12:23		Iwona	OK
17	Q1494-06	SOIL	SAM	03/06/25 12:30		Iwona	OK
18	Q1494-07	SOIL-COMP	SAM	03/06/25 12:37		Iwona	OK

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QC Batch ID # LB134927

Review By	Iwona	Review On	3/6/2025 2:09:49 PM
Supervise By	jignesh	Supervise On	3/6/2025 2:18:54 PM
SubDirectory	LB134927	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		

19	Q1494-08	SOIL-COMP	SAM	03/06/25 12:45		Iwona	OK
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A
B
C
D
E
F

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB134929

Review By	rubina	Review On	3/6/2025 3:53:33 PM
Supervise By	Iwona	Supervise On	3/6/2025 3:52:21 PM
SubDirectory	LB134929	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,W3114,W3149		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB166998BL	PB166998BL	MB	03/06/25 13:20		rubina	OK
2	Q1481-02	WC-K1311	SAM	03/06/25 13:23		rubina	OK
3	Q1481-02DUP	WC-K1311DUP	DUP	03/06/25 13:25		rubina	OK
4	Q1484-06	TR-OTR-COMP-01	SAM	03/06/25 13:28		rubina	OK
5	Q1488-02	ENV-101-SB01	SAM	03/06/25 13:30		rubina	OK
6	Q1488-04	ENV-101-SB02	SAM	03/06/25 13:33		rubina	OK
7	Q1488-06	ENV-102-SB01	SAM	03/06/25 13:35		rubina	OK
8	Q1488-08	ENV-102-SB02	SAM	03/06/25 13:38		rubina	OK
9	Q1488-10	ENV-104-SB01	SAM	03/06/25 13:41		rubina	OK
10	Q1488-12	ENV-104-SB02	SAM	03/06/25 13:44		rubina	OK
11	Q1490-02	CLAY-SLUDGE-DRU	SAM	03/06/25 13:47		rubina	OK
12	Q1494-04	ASPHALT-SOIL	SAM	03/06/25 13:50		rubina	OK
13	Q1494-06	SOIL	SAM	03/06/25 13:53		rubina	OK
14	Q1494-08	SOIL-COMP	SAM	03/06/25 13:56		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134940

Review By	rubina	Review On	3/7/2025 12:52:03 PM
Supervise By	Iwona	Supervise On	3/7/2025 1:18:19 PM
SubDirectory	LB134940	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	WP112185,WP110380,WP110381,WP111249		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/07/25 12:00		rubina	OK
2	CAL2	CAL2	CAL	03/07/25 12:01		rubina	OK
3	CAL3	CAL3	CAL	03/07/25 12:02		rubina	OK
4	CAL4	CAL4	CAL	03/07/25 12:03		rubina	OK
5	CAL5	CAL5	CAL	03/07/25 12:04		rubina	OK
6	CAL6	CAL6	CAL	03/07/25 12:05		rubina	OK
7	CAL7	CAL7	CAL	03/07/25 12:06		rubina	OK
8	ICV	ICV	ICV	03/07/25 12:07		rubina	OK
9	ICB	ICB	ICB	03/07/25 12:08		rubina	OK
10	CCV1	CCV1	CCV	03/07/25 12:09		rubina	OK
11	CCB1	CCB1	CCB	03/07/25 12:10		rubina	OK
12	RL Check	RL Check	SAM	03/07/25 12:11		rubina	OK
13	PB167023BL	PB167023BL	MB	03/07/25 12:12		rubina	OK
14	PB167023BS	PB167023BS	LCS	03/07/25 12:13		rubina	OK
15	Q1481-01	WC-K1311	SAM	03/07/25 12:14		rubina	OK
16	Q1484-01	TR-OTR-COMP-01	SAM	03/07/25 12:15		rubina	OK
17	Q1488-01	ENV-101-SB01	SAM	03/07/25 12:16		rubina	OK
18	Q1488-03	ENV-101-SB02	SAM	03/07/25 12:17		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134940

Review By	rubina	Review On	3/7/2025 12:52:03 PM
Supervise By	Iwona	Supervise On	3/7/2025 1:18:19 PM
SubDirectory	LB134940	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	WP112185,WP110380,WP110381,WP111249		

19	Q1488-05	ENV-102-SB01	SAM	03/07/25 12:18		rubina	OK
20	Q1488-07	ENV-102-SB02	SAM	03/07/25 12:19		rubina	OK
21	Q1488-09	ENV-104-SB01	SAM	03/07/25 12:20		rubina	OK
22	Q1488-11	ENV-104-SB02	SAM	03/07/25 12:21		rubina	OK
23	CCV2	CCV2	CCV	03/07/25 12:22		rubina	OK
24	CCB2	CCB2	CCB	03/07/25 12:23		rubina	OK
25	Q1490-01	CLAY-SLUDGE-DRUM	SAM	03/07/25 12:24		rubina	OK
26	Q1494-03	ASPHALT-SOIL	SAM	03/07/25 12:25		rubina	OK
27	Q1494-05	SOIL	SAM	03/07/25 12:26		rubina	OK
28	Q1494-07	SOIL-COMP	SAM	03/07/25 12:27		rubina	OK
29	Q1507-01	50-MIDDLESEX-AVE	SAM	03/07/25 12:28		rubina	OK
30	Q1508-01	RBR251372	SAM	03/07/25 12:29		rubina	OK
31	Q1514-01	ENV-105-SB01	SAM	03/07/25 12:30		rubina	OK
32	Q1514-03	ENV-105-SB02	SAM	03/07/25 12:31		rubina	OK
33	Q1514-05	ENV-103-SB01	SAM	03/07/25 12:32		rubina	OK
34	Q1514-05DUP	ENV-103-SB01DUP	DUP	03/07/25 12:33		rubina	OK
35	CCV3	CCV3	CCV	03/07/25 12:34		rubina	OK
36	CCB3	CCB3	CCB	03/07/25 12:35		rubina	OK
37	Q1514-05MSPre	ENV-103-SB01MS	MS	03/07/25 12:36		rubina	OK
38	Q1514-05MS2Ins	ENV-103-SB01MS	MS	03/07/25 12:37		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134940

Review By	rubina	Review On	3/7/2025 12:52:03 PM
Supervise By	Iwona	Supervise On	3/7/2025 1:18:19 PM
SubDirectory	LB134940	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	WP112185,WP110380,WP110381,WP111249		

39	Q1514-05MS3Post	ENV-103-SB01MS	MS	03/07/25 12:38		rubina	OK
40	CCV4	CCV4	CCV	03/07/25 12:39		rubina	OK
41	CCB4	CCB4	CCB	03/07/25 12:40		rubina	OK

LAB CHRONICLE

OrderID:	Q1488	OrderDate:	3/4/2025 3:39:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1488-01	ENV-101-SB01	SOIL			03/04/25 09:10			03/04/25
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:16	
Q1488-02	ENV-101-SB01	SOIL			03/04/25 09:10			03/04/25
			Corrosivity	9045D			03/05/25 16:20	
			Ignitability	1030			03/06/25 11:08	
			Reactive Cyanide	9012B		03/05/25	03/05/25 16:22	
			Reactive Sulfide	9034		03/05/25	03/06/25 13:30	
Q1488-03	ENV-101-SB02	SOIL			03/04/25 09:20			03/04/25
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:17	
Q1488-04	ENV-101-SB02	SOIL			03/04/25 09:20			03/04/25
			Corrosivity	9045D			03/05/25 16:25	
			Ignitability	1030			03/06/25 11:15	
			Reactive Cyanide	9012B		03/05/25	03/05/25 16:22	
			Reactive Sulfide	9034		03/05/25	03/06/25 13:33	

LAB CHRONICLE

Q1488-05	ENV-102-SB01	SOIL			03/04/25 10:05		03/04/25
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:18
Q1488-06	ENV-102-SB01	SOIL			03/04/25 10:05		03/04/25
			Corrosivity	9045D			03/05/25 16:30
			Ignitability	1030			03/06/25 11:22
			Reactive Cyanide	9012B		03/05/25	03/05/25 16:22
			Reactive Sulfide	9034		03/05/25	03/06/25 13:35
Q1488-07	ENV-102-SB02	SOIL			03/04/25 10:25		03/04/25
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:19
Q1488-08	ENV-102-SB02	SOIL			03/04/25 10:25		03/04/25
			Corrosivity	9045D			03/05/25 16:33
			Ignitability	1030			03/06/25 11:30
			Reactive Cyanide	9012B		03/05/25	03/05/25 16:22
			Reactive Sulfide	9034		03/05/25	03/06/25 13:38
Q1488-09	ENV-104-SB01	SOIL			03/04/25 12:00		03/04/25
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:20
Q1488-10	ENV-104-SB01	SOIL			03/04/25 12:00		03/04/25
			Corrosivity	9045D			03/05/25 16:35

LAB CHRONICLE

Q1488-11	ENV-104-SB02	SOIL	Ignitability	1030			03/06/25 11:38	
			Reactive Cyanide	9012B		03/05/25	03/05/25 16:23	
			Reactive Sulfide	9034		03/05/25	03/06/25 13:41	
					03/04/25 12:10			03/04/25
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:21	
Q1488-12	ENV-104-SB02	SOIL			03/04/25 12:10			03/04/25
			Corrosivity	9045D			03/05/25 16:40	
			Ignitability	1030			03/06/25 11:45	
			Reactive Cyanide	9012B		03/05/25	03/05/25 16:23	
			Reactive Sulfide	9034		03/05/25	03/06/25 13:44	
Q1488-13	ENV-102-GW01	WATER			03/04/25 10:45			03/04/25
			Hexavalent Chromium	7196A			03/04/25 16:59	
Q1488-14	ENV-104-GW01	WATER			03/04/25 12:30			03/04/25
			Hexavalent Chromium	7196A			03/04/25 17:00	

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Start Digest Date: 03/05/2025 Time : 11:00 Temp : N/A

Matrix : SOIL

End Digest Date: 03/05/2025 Time : 12:30 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: NF

Welgh By : NF

pH Meter ID : N/A

Supervisor Signature: 12

Standardized 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	WP111294
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
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
03-05-2025, 12:40	NF / WC	NF / 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
PB166991BL	PBS991	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1481-02DUP	WC-K1311DUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1481-02	WC-K1311	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1484-06	TR-OTR-COMP-01	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-04	ENV-101-SB02	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-06	ENV-102-SB01	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-08	ENV-102-SB02	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-10	ENV-104-SB01	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-12	ENV-104-SB02	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : RM

Start Digest Date: 03/05/2025 Time : 15:50 Temp : N/A

End Digest Date: 03/05/2025 Time : 17:20 Temp : N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: RM

Supervisor Signature: 12

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	WP111004
FORMALDEHYDE	2.0ML	W2725
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:

03/05/2025 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
PB166998BL	PBS998	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1481-02DUP	WC-K1311DUP	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1481-02	WC-K1311	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1484-06	TR-OTR-COMP-01	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-04	ENV-101-SB02	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-06	ENV-102-SB01	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-08	ENV-102-SB02	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-10	ENV-104-SB01	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-12	ENV-104-SB02	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-04	ASPHALT-SOIL	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-06	SOIL	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-08	SOIL-COMP	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M3060A,7196A-Hex.Chromium-26

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#3

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

Weigh By : RM

Start Digest Date: 03/07/2025 Time : 09:00 Temp : 90 °C

End Digest Date: 03/07/2025 Time : 10:00 Temp : 94 °C

FL batch 03/07/2025 10-15 902 JRM
03/07/2025 11-15 952 JRM

Digestion tube ID : M6054

Block Thermometer ID : WC-Block#1

Filter paper ID : 400213

Prep Technician Signature: *RM*

pH Meter ID : WC pH meter-1

Supervisor Signature: *12*

Standard Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP111315
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP111315
LCSS	1.0ML	WP111316
PBS003	50ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP110498
HEX. DIGESTION SOLN.	50.0ML	WP111908
5M HNO3	5-7ML	WP110381
5N H2SO4	1-3ML	WP110380
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	WP112230
CAL3	CAL3	0.5ML	WP112230
CAL4	CAL4	1ML	WP112230
CAL5	CAL5	0.2ML	WP111315
CAL6	CAL6	1ML	WP111315
CAL7	CAL7	2.0ML	WP111315
ICV	ICV	1ML	WP111316
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP111315
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments:

N/A

03/07/2025 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
PB167023BL	PBS023	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB167023BS	LCS023	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1481-01	WC-K1311	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1484-01	TR-OTR-COMP-01	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-01	ENV-101-SB01	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-03	ENV-101-SB02	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-05	ENV-102-SB01	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-07	ENV-102-SB02	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-09	ENV-104-SB01	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-11	ENV-104-SB02	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1490-01	CLAY-SLUDGE-DRUMS	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-03	ASPHALT-SOIL	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-05	SOIL	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-07	SOIL-COMP	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1507-01	50-MIDDLESEX-AVE	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1508-01	RBR251372	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-01	ENV-105-SB01	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-03	ENV-105-SB02	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05	ENV-103-SB01	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05DUP	ENV-103-SB01DUP	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05MSPre	ENV-103-SB01MSPRE	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05MS2Ins	ENV-103-SB01MS2INS	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05MS3Post	ENV-103-SB01MS3POST	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A