SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25 20:25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-01	Matrix:	SOIL
		% Solid:	89.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.076	U	1	0.076	0.43	mg/Kg	04/07/25 11:40	04/07/25 15:26	7196A
pH	7.07	H	1	0	0	pH		04/07/25 16:50	9045D
Trivalent Chromium	12.0		1	0.56	0.56	mg/Kg		04/10/25 16:17	6010D

Comments: pH result reported at temperature 22.9 °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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25 20:25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.07	H	1	0	0	pH		04/07/25 16:50	9045D
Ignitability	NO		1	0	0	oC		04/08/25 12:02	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	04/07/25 15:00	04/08/25 11:21	9012B
Reactive Sulfide	3.19	J	1	0.20	10.0	mg/Kg	04/08/25 12:50	04/08/25 15:22	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
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25 01:10
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	SOIL
		% Solid:	84.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.081	U	1	0.081	0.46	mg/Kg	04/07/25 11:40	04/07/25 15:27	7196A
pH	7.52	H	1	0	0	pH		04/07/25 17:00	9045D
Trivalent Chromium	11.9		1	0.59	0.59	mg/Kg		04/10/25 16:22	6010D

Comments: pH result reported at temperature 22.5 °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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25 01:10
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.52	H	1	0	0	pH		04/07/25 17:00	9045D
Ignitability	NO		1	0	0	oC		04/08/25 12:10	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	04/07/25 15:00	04/08/25 11:21	9012B
Reactive Sulfide	4.77	J	1	0.20	10.0	mg/Kg	04/08/25 12:50	04/08/25 15:24	9034

Comments: pH result reported at temperature 22.9 °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
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25 23:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	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		04/07/25 13:17	7196A
trivalent Chromium	0.079		1	0.010	0.010	mg/L		04/14/25 20:56	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
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25 03:45
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-06	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		04/07/25 13:17	7196A
trivalent Chromium	0.20		1	0.010	0.010	mg/L		04/14/25 21:00	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
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/07/25 08:30
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	EB-2025-4-7	SDG No.:	Q1746
Lab Sample ID:	Q1746-07	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		04/07/25 13:19	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		04/14/25 21:25	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
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N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture **SDG No.:** Q1746

Project: Amtrak Sawtooth Bridges 2025 **RunNo.:** LB135322

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.514	0.5	103	90-110	04/07/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.510	0.5	102	90-110	04/07/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	04/07/2025

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Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture **SDG No.:** Q1746

Project: Amtrak Sawtooth Bridges 2025 **RunNo.:** LB135327

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	7.01	7	100	90-110	04/07/2025
Sample ID:	**CCV1**						
Corrosivity		pH	2.02	2.00	101	90-110	04/07/2025
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	04/07/2025

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1746
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB135328

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	7.01	7	100	90-110	04/07/2025
Sample ID: **CCV1**						
pH	pH	2.02	2.00	101	90-110	04/07/2025
Sample ID: **CCV2**						
pH	pH	12.02	12.00	100	90-110	04/07/2025

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Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture **SDG No.:** Q1746

Project: Amtrak Sawtooth Bridges 2025 **RunNo.:** LB135331

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	04/07/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.484	0.5	97	90-110	04/07/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	04/07/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.485	0.5	97	90-110	04/07/2025

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1746
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB135341

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.09	0.099	91	85-115	04/08/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	04/08/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	04/08/2025
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	04/08/2025

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Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q1746

Project: Amtrak Sawtooth Bridges 2025 **RunNo.:** LB135322

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	04/07/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/07/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/07/2025

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Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q1746

Project: Amtrak Sawtooth Bridges 2025 **RunNo.:** LB135331

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	04/07/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/07/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/07/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/07/2025

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Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q1746

Project: Amtrak Sawtooth Bridges 2025 **RunNo.:** LB135341

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/08/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/08/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/08/2025
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/08/2025

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Preparation Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q1746

Project: Amtrak Sawtooth Bridges 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135322BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	04/07/2025
Sample ID: PB167461BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	04/07/2025
Sample ID: PB167494BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	04/08/2025
Sample ID: PB167498BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	04/08/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: Z-05AMS
SDG No.: Q1746
Sample ID: Q1712-01
Percent Solids for Spike Sample: 87.5

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	1410		0.080	U	1470	40	96		04/07/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: Z-05AMS
SDG No.: Q1746
Sample ID: Q1712-01
Percent Solids for Spike Sample: 87.5

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	44.1		0.080	U	45.7	2	96		04/07/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1746
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1712-01
Client ID: Z-05AMS
Percent Solids for Spike Sample: 87.5

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	37.6		0.080	U	45.7	2	82		04/07/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1746
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1746-06
Client ID: B-149-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	0.97		0.0030	U	1.0	2	97		04/07/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1746
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1746-06
Client ID: B-149-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	0.97		0.0030	U	1.0	2	97		04/07/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: Z-05ADUP
SDG No.: Q1746
Sample ID: Q1712-01
Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.080	U	0.080	U	1	0		04/07/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: Z-05ADUP
SDG No.: Q1746
Sample ID: Q1712-04
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 Sulfide	mg/Kg	+/-20	1.58	J	1.58	J	1	0		04/08/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1746
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1732-04
Client ID: TT-8DUP
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	0.0083	U	0.0084	U	1	0		04/08/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1746
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1744-02
Client ID: B-158-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
Ignitability	oC	+/-20	NO		NO		1	0		04/08/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: B-149-SB02DUP
SDG No.: Q1746
Sample ID: Q1746-03
Percent Solids for Spike Sample: 84.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	7.52		7.53		1	0.13		04/07/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: B-149-SB02DUP
SDG No.: Q1746
Sample ID: Q1746-04
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	7.52		7.53		1	0.13		04/07/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1746
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1746-06
Client ID: B-149-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		04/07/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1746
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1746-06
Client ID: B-149-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	0.97		0.97		2	0.21		04/07/2025

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Laboratory Control Sample Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q1746

Project: Amtrak Sawtooth Bridges 2025 **Run No.:** LB135322

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB135322BS								
Hexavalent Chromium	mg/L	0.5	0.52		103	1	90-111	04/07/2025

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1746
Project:	Amtrak Sawtooth Bridges 2025	**Run No.:**	LB135331

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB167461BS								
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	04/07/2025

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135322

Review By	rubina	Review On	4/7/2025 4:25:52 PM
Supervise By	Iwona	Supervise On	4/7/2025 4:26:45 PM
SubDirectory	LB135322	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	WP112623,WP112622,WP112620,WP112619,WP112566,WP110380,WP112621,WP112626,WP112624,WP112625

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	04/07/25 13:10		rubina	OK
2	CAL2	CAL2	CAL	04/07/25 13:10		rubina	OK
3	CAL3	CAL3	CAL	04/07/25 13:11		rubina	OK
4	CAL4	CAL4	CAL	04/07/25 13:11		rubina	OK
5	CAL5	CAL5	CAL	04/07/25 13:12		rubina	OK
6	CAL6	CAL6	CAL	04/07/25 13:12		rubina	OK
7	CAL7	CAL7	CAL	04/07/25 13:13		rubina	OK
8	ICV	ICV	ICV	04/07/25 13:13		rubina	OK
9	ICB	ICB	ICB	04/07/25 13:14		rubina	OK
10	CCV1	CCV1	CCV	04/07/25 13:14		rubina	OK
11	CCB1	CCB1	CCB	04/07/25 13:15		rubina	OK
12	RL Check	RL Check	SAM	04/07/25 13:15		rubina	OK
13	LB135322BL	LB135322BL	MB	04/07/25 13:16		rubina	OK
14	LB135322BS	LB135322BS	LCS	04/07/25 13:16		rubina	OK
15	Q1746-05	B-158-GW01	SAM	04/07/25 13:17		rubina	OK
16	Q1746-06	B-149-GW01	SAM	04/07/25 13:17		rubina	OK
17	Q1746-06DUP	B-149-GW01DUP	DUP	04/07/25 13:18		rubina	OK
18	Q1746-06MS	B-149-GW01MS	MS	04/07/25 13:18	2ML WP111315+98.0ML SAMPLE	rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135322

Review By	rubina	Review On	4/7/2025 4:25:52 PM
Supervise By	Iwona	Supervise On	4/7/2025 4:26:45 PM
SubDirectory	LB135322	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	WP112623,WP112622,WP112620,WP112619,WP112566,WP110380,WP112621,WP112626,WP112624,WP112625

19	Q1746-06MSD	B-149-GW01MSD	MSD	04/07/25 13:19	2ML WP111315+98.0ML SAMPLE	rubina	OK
20	Q1746-07	EB-2025-4-7	SAM	04/07/25 13:19		rubina	OK
21	CCV2	CCV2	CCV	04/07/25 13:20		rubina	OK
22	CCB2	CCB2	CCB	04/07/25 13:21		rubina	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135327

Review By	jignesh	Review On	4/7/2025 4:11:26 PM
Supervise By	Iwona	Supervise On	4/7/2025 4:25:16 PM
SubDirectory	LB135327	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,W3071,W3161,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	04/07/25 16:10		Jignesh	OK
2	CAL2	CAL2	CAL	04/07/25 16:11		Jignesh	OK
3	CAL3	CAL3	CAL	04/07/25 16:12		Jignesh	OK
4	ICV	ICV	ICV	04/07/25 16:15		Jignesh	OK
5	CCV1	CCV1	CCV	04/07/25 16:20		Jignesh	OK
6	Q1743-04	TP-16	SAM	04/07/25 16:25		Jignesh	OK
7	Q1744-02	B-158-SB01	SAM	04/07/25 16:30		Jignesh	OK
8	Q1744-04	B-158-SB02	SAM	04/07/25 16:33		Jignesh	OK
9	Q1745-04	IB-6A-WC	SAM	04/07/25 16:40		Jignesh	OK
10	Q1745-12	IB-6.5-WC	SAM	04/07/25 16:47		Jignesh	OK
11	Q1746-02	B-149-SB01	SAM	04/07/25 16:50		Jignesh	OK
12	Q1746-04	B-149-SB02	SAM	04/07/25 17:00		Jignesh	OK
13	Q1746-04DUP	B-149-SB02DUP	DUP	04/07/25 17:01		Jignesh	OK
14	CCV2	CCV2	CCV	04/07/25 17:05		Jignesh	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135328

Review By	jignesh	Review On	4/7/2025 4:09:30 PM
Supervise By	Iwona	Supervise On	4/7/2025 4:25:02 PM
SubDirectory	LB135328	Test	pH

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,W3071,W3161,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	04/07/25 16:10		Jignesh	OK
2	CAL2	CAL2	CAL	04/07/25 16:11		Jignesh	OK
3	CAL3	CAL3	CAL	04/07/25 16:12		Jignesh	OK
4	ICV	ICV	ICV	04/07/25 16:15		Jignesh	OK
5	CCV1	CCV1	CCV	04/07/25 16:20		Jignesh	OK
6	Q1744-01	B-158-SB01	SAM	04/07/25 16:30		Jignesh	OK
7	Q1744-03	B-158-SB02	SAM	04/07/25 16:33		Jignesh	OK
8	Q1746-01	B-149-SB01	SAM	04/07/25 16:50		Jignesh	OK
9	Q1746-03	B-149-SB02	SAM	04/07/25 17:00		Jignesh	OK
10	Q1746-03DUP	B-149-SB02DUP	DUP	04/07/25 17:01		Jignesh	OK
11	CCV2	CCV2	CCV	04/07/25 17:05		Jignesh	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135331

Review By	rubina	Review On	4/7/2025 4:24:48 PM
Supervise By	Iwona	Supervise On	4/11/2025 3:14:36 PM
SubDirectory	LB135331	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	WP112566,WP110380,WP110381,WP111249

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	04/07/25 14:55		rubina	OK
2	CAL2	CAL2	CAL	04/07/25 14:56		rubina	OK
3	CAL3	CAL3	CAL	04/07/25 14:57		rubina	OK
4	CAL4	CAL4	CAL	04/07/25 14:58		rubina	OK
5	CAL5	CAL5	CAL	04/07/25 14:59		rubina	OK
6	CAL6	CAL6	CAL	04/07/25 15:00		rubina	OK
7	CAL7	CAL7	CAL	04/07/25 15:01		rubina	OK
8	ICV	ICV	ICV	04/07/25 15:02		rubina	OK
9	ICB	ICB	ICB	04/07/25 15:03		rubina	OK
10	CCV1	CCV1	CCV	04/07/25 15:04		rubina	OK
11	CCB1	CCB1	CCB	04/07/25 15:05		rubina	OK
12	RL Check	RL Check	SAM	04/07/25 15:06		rubina	OK
13	PB167461BL	PB167461BL	MB	04/07/25 15:07		rubina	OK
14	PB167461BS	PB167461BS	LCS	04/07/25 15:08		rubina	OK
15	Q1656-04	VNJ239	SAM	04/07/25 15:09		rubina	OK
16	Q1712-01	Z-05A	SAM	04/07/25 15:10		rubina	OK
17	Q1712-01DUP	Z-05ADUP	DUP	04/07/25 15:11		rubina	OK
18	Q1712-01MSPre	Z-05AMS	MS	04/07/25 15:12		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135331

Review By	rubina	Review On	4/7/2025 4:24:48 PM
Supervise By	Iwona	Supervise On	4/11/2025 3:14:36 PM
SubDirectory	LB135331	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	WP112566,WP110380,WP110381,WP111249

19	Q1712-01MS2Ins	Z-05AMS	MS	04/07/25 15:13		rubina	OK
20	Q1712-01MS3Post	Z-05AMS	MS	04/07/25 15:14		rubina	OK
21	Q1712-05	TT-7	SAM	04/07/25 15:15		rubina	OK
22	Q1732-01	TT-8	SAM	04/07/25 15:16		rubina	OK
23	CCV2	CCV2	CCV	04/07/25 15:17		rubina	OK
24	CCB2	CCB2	CCB	04/07/25 15:18		rubina	OK
25	Q1737-01	RT3069	SAM	04/07/25 15:19		rubina	OK
26	Q1740-01	TP-20	SAM	04/07/25 15:20		rubina	OK
27	Q1743-01	TP-16	SAM	04/07/25 15:21		rubina	OK
28	Q1744-01	B-158-SB01	SAM	04/07/25 15:22		rubina	OK
29	Q1744-03	B-158-SB02	SAM	04/07/25 15:23		rubina	OK
30	Q1745-01	IB-6A-WC	SAM	04/07/25 15:24		rubina	OK
31	Q1745-09	IB-6.5-WC	SAM	04/07/25 15:25		rubina	OK
32	Q1746-01	B-149-SB01	SAM	04/07/25 15:26		rubina	OK
33	Q1746-03	B-149-SB02	SAM	04/07/25 15:27		rubina	OK
34	CCV3	CCV3	CCV	04/07/25 15:28		rubina	OK
35	CCB3	CCB3	CCB	04/07/25 15:29		rubina	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB135338

Review By	rubina	Review On	4/8/2025 4:16:45 PM
Supervise By	Iwona	Supervise On	4/8/2025 4:16:54 PM
SubDirectory	LB135338	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	Q1744-02	B-158-SB01	SAM	04/08/25 11:10		rubina	OK
2	Q1744-02DUP	B-158-SB01DUP	DUP	04/08/25 11:17		rubina	OK
3	Q1744-04	B-158-SB02	SAM	04/08/25 11:24		rubina	OK
4	Q1745-01	IB-6A-WC	SAM	04/08/25 11:32		rubina	OK
5	Q1745-04	IB-6A-WC	SAM	04/08/25 11:40		rubina	OK
6	Q1745-09	IB-6.5-WC	SAM	04/08/25 11:48		rubina	OK
7	Q1745-12	IB-6.5-WC	SAM	04/08/25 11:55		rubina	OK
8	Q1746-02	B-149-SB01	SAM	04/08/25 12:02		rubina	OK
9	Q1746-04	B-149-SB02	SAM	04/08/25 12:10		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135341

Review By	Niha	Review On	4/8/2025 4:17:46 PM
Supervise By	Iwona	Supervise On	4/8/2025 4:36:03 PM
SubDirectory	LB135341	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP112629,WP112630,WP112631,WP112632,WP112633,WP112634,WP112635
ICV Standard	WP112636
CCV Standard	WP112630
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111035,WP110103,WP112637

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/08/25 10:23		Niha	OK
2	5.0PPBCN	5.0PPBCN	CAL2	04/08/25 10:23		Niha	OK
3	10PPBCN	10PPBCN	CAL3	04/08/25 10:23		Niha	OK
4	50PPBCN	50PPBCN	CAL4	04/08/25 10:23		Niha	OK
5	100PPBCN	100PPBCN	CAL5	04/08/25 10:23		Niha	OK
6	250PPBCN	250PPBCN	CAL6	04/08/25 10:23		Niha	OK
7	500PPBCN	500PPBCN	CAL7	04/08/25 10:23		Niha	OK
8	ICV1	ICV1	ICV	04/08/25 10:58		Niha	OK
9	ICB1	ICB1	ICB	04/08/25 10:58		Niha	OK
10	CCV1	CCV1	CCV	04/08/25 10:58		Niha	OK
11	CCB1	CCB1	CCB	04/08/25 10:58		Niha	OK
12	PB167498BL	PB167498BL	MB	04/08/25 10:58		Niha	OK
13	Q1732-04	TT-8	SAM	04/08/25 10:58		Niha	OK
14	Q1732-04DUP	TT-8DUP	DUP	04/08/25 11:05		Niha	OK
15	Q1737-02	RT3069	SAM	04/08/25 11:05		Niha	OK
16	Q1740-04	TP-20	SAM	04/08/25 11:05		Niha	OK
17	Q1743-04	TP-16	SAM	04/08/25 11:05		Niha	OK
18	Q1744-02	B-158-SB01	SAM	04/08/25 11:06		Niha	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135341

Review By	Niha	Review On	4/8/2025 4:17:46 PM
Supervise By	Iwona	Supervise On	4/8/2025 4:36:03 PM
SubDirectory	LB135341	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP112629,WP112630,WP112631,WP112632,WP112633,WP112634,WP112635
ICV Standard	WP112636
CCV Standard	WP112630
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111035,WP110103,WP112637

19	Q1744-04	B-158-SB02	SAM	04/08/25 11:13		Niha	OK
20	Q1745-04	IB-6A-WC	SAM	04/08/25 11:13		Niha	OK
21	Q1745-12	IB-6.5-WC	SAM	04/08/25 11:13		Niha	OK
22	CCV2	CCV2	CCV	04/08/25 11:13		Niha	OK
23	CCB2	CCB2	CCB	04/08/25 11:20		Niha	OK
24	Q1746-02	B-149-SB01	SAM	04/08/25 11:21		Niha	OK
25	Q1746-04	B-149-SB02	SAM	04/08/25 11:21		Niha	OK
26	PB167505BL	PB167505BL	MB	04/08/25 11:21		Niha	OK
27	Q1739-02	WC-LIQUID-2025040	SAM	04/08/25 11:28		Niha	OK
28	Q1739-02DUP	WC-LIQUID-2025040	DUP	04/08/25 11:28		Niha	OK
29	CCV3	CCV3	CCV	04/08/25 11:28		Niha	OK
30	CCB3	CCB3	CCB	04/08/25 11:28		Niha	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB135345

Review By	rubina	Review On	4/8/2025 3:47:43 PM
Supervise By	Iwona	Supervise On	4/8/2025 4:16:02 PM
SubDirectory	LB135345	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	PB167494BL	PB167494BL	MB	04/08/25 14:50		rubina	OK
2	Q1712-04	Z-05A	SAM	04/08/25 14:53		rubina	OK
3	Q1712-04DUP	Z-05ADUP	DUP	04/08/25 14:56		rubina	OK
4	Q1712-08	TT-7	SAM	04/08/25 14:58		rubina	OK
5	Q1732-04	TT-8	SAM	04/08/25 15:00		rubina	OK
6	Q1737-02	RT3069	SAM	04/08/25 15:03		rubina	OK
7	Q1740-04	TP-20	SAM	04/08/25 15:06		rubina	OK
8	Q1743-04	TP-16	SAM	04/08/25 15:09		rubina	OK
9	Q1744-02	B-158-SB01	SAM	04/08/25 15:12		rubina	OK
10	Q1744-04	B-158-SB02	SAM	04/08/25 15:15		rubina	OK
11	Q1745-04	IB-6A-WC	SAM	04/08/25 15:18		rubina	OK
12	Q1745-12	IB-6.5-WC	SAM	04/08/25 15:20		rubina	OK
13	Q1746-02	B-149-SB01	SAM	04/08/25 15:22		rubina	OK
14	Q1746-04	B-149-SB02	SAM	04/08/25 15:24		rubina	OK
15	Q1748-04	IB-1.5-WC	SAM	04/08/25 15:26		rubina	OK
16	Q1748-08	IB-2A-WC	SAM	04/08/25 15:28		rubina	OK
17	Q1749-04	TP-14	SAM	04/08/25 15:30		rubina	OK

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LAB CHRONICLE

OrderID:	Q1746	**OrderDate:**	4/7/2025 12:00:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1746-01	**B-149-SB01**	**SOIL**			**04/05/25 20:25**			**04/07/25**
			Hexavalent Chromium	7196A		04/07/25	04/07/25 15:26	
			pH	9045D			04/07/25 16:50	
			Trivalent Chromium	6010D			04/10/25 16:17	
Q1746-02	**B-149-SB01**	**SOIL**			**04/05/25 20:25**			**04/07/25**
			Corrosivity	9045D			04/07/25 16:50	
			Ignitability	1030			04/08/25 12:02	
			Reactive Cyanide	9012B		04/07/25	04/08/25 11:21	
			Reactive Sulfide	9034		04/08/25	04/08/25 15:22	
Q1746-03	**B-149-SB02**	**SOIL**			**04/06/25 01:10**			**04/07/25**
			Hexavalent Chromium	7196A		04/07/25	04/07/25 15:27	
			pH	9045D			04/07/25 17:00	
			Trivalent Chromium	6010D			04/10/25 16:22	
Q1746-04	**B-149-SB02**	**SOIL**			**04/06/25 01:10**			**04/07/25**
			Corrosivity	9045D			04/07/25 17:00	

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LAB CHRONICLE

			Ignitability	1030			04/08/25 12:10	
			Reactive Cyanide	9012B		04/07/25	04/08/25 11:21	
			Reactive Sulfide	9034		04/08/25	04/08/25 15:24	
Q1746-05	**B-158-GW01**	**WATER**			**04/05/25 23:00**			**04/07/25**
			Hexavalent Chromium	7196A			04/07/25 13:17	
			trivalent Chromium	6010D			04/14/25 20:56	
Q1746-06	**B-149-GW01**	**WATER**			**04/06/25 03:45**			**04/07/25**
			Hexavalent Chromium	7196A			04/07/25 13:17	
			trivalent Chromium	6010D			04/14/25 21:00	
Q1746-07	**EB-2025-4-7**	**WATER**			**04/07/25 08:30**			**04/07/25**
			Hexavalent Chromium	7196A			04/07/25 13:19	
			trivalent Chromium	6010D			04/14/25 21:25	

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB167461

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

SDG No : N/A

Start Digest Date: 04/07/2025 **Time :** 11:40 **Temp :** 90 °C

Matrix : SOIL

End Digest Date: 04/07/2025 **Time :** 12:40 **Temp :** 95 °C

Pippete ID : WC

II batch 04/07/2025 13:00 90 °C
04/07/2025 14:00 95 °C RM

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:** 12

Standared 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	WP112281
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP112618
CAL3	CAL3	0.5ML	WP112618
CAL4	CAL4	1ML	WP112618
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:

04/07/2025 RM

N/A

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

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB167461

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167461BL	PBS461	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB167461BS	LCS461	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1656-04	VNJ239	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-01	Z-05A	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-01DUP	Z-05ADUP	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-01MSPre	Z-05AMSPRE	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-01MS2Ins	Z-05AMS2INS	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-01MS3Post	Z-05AMS3POST	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-05	TT-7	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1732-01	TT-8	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1737-01	RT3069	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1740-01	TP-20	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1743-01	TP-16	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1744-01	B-158-SB01	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1744-03	B-158-SB02	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1745-01	IB-6A-WC	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1745-09	IB-6.5-WC	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1746-01	B-149-SB01	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1746-03	B-149-SB02	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB167494

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : RM

Start Digest Date: 04/08/2025 **Time :** 12:50 **Temp :** N/A

End Digest Date: 04/08/2025 **Time :** 14:20 **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

Standared 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

Extraction Conformance/Non-Conformance Comments:

04/08/2025 RM

N/A

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

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB167494

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167494BL	PBS494	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-04DUP	Z-05ADUP	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-04	Z-05A	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1712-08	TT-7	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1732-04	TT-8	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1737-02	RT3069	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1740-04	TP-20	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1743-04	TP-16	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1744-02	B-158-SB01	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1744-04	B-158-SB02	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1745-04	IB-6A-WC	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1745-12	IB-6.5-WC	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1746-02	B-149-SB01	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1746-04	B-149-SB02	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1748-04	IB-1.5-WC	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1748-08	IB-2A-WC	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1749-04	TP-14	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB167498

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

SDG No : N/A

Matrix : SOIL

Pippete ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1, MC-2

Weigh By : NF

NF
04/11/25

Start Digest Date: ~~04/08/2025~~ 04/07/2025 **Time :** 15:00 **Temp :** N/A

End Digest Date: ~~04/08/2025~~ 04/07/2025 **Time :** 16:30 **Temp :** N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: NF

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50ML	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

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
~~04/08/2025~~ 04/07/2025 16:45	NF/WC	NF/WC
04/07/2025	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB167498

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167498BL	PBS498	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1732-04DUP	TT-8DUP	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1732-04	TT-8	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1737-02	RT3069	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1740-04	TP-20	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1743-04	TP-16	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1744-02	B-158-SB01	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1744-04	B-158-SB02	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1745-04	IB-6A-WC	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1745-12	IB-6.5-WC	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1746-02	B-149-SB01	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1746-04	B-149-SB02	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A