



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25 09:40
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	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		08/21/25 16:23	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		08/22/25 15:03	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:	08/21/25 10:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	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		08/21/25 16:23	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		08/25/25 13:22	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
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J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
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 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25 11:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	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		08/21/25 16:25	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		08/22/25 15:07	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:	08/21/25 11:30
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	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		08/21/25 16:27	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		08/22/25 15:26	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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

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

SDG No.: Q2934
RunNo.: LB136915

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.505	0.5	101	90-110	08/21/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.505	0.5	101	90-110	08/21/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	08/21/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	08/21/2025

Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture

SDG No.: Q2934

Project: Amtrak Sawtooth Bridges 2025

RunNo.: LB136915

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	08/21/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/21/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/21/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/21/2025

Preparation Blank Summary

Client: Portal Partners Tri-Venture

SDG No.: Q2934

Project: Amtrak Sawtooth Bridges 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Ib136915BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	08/21/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q2934
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q2934-02
Client ID:	ENV-SW02MS	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		08/21/2025

Matrix Spike Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q2934
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q2934-02
Client ID:	ENV-SW02MSD	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		08/21/2025

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q2934
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q2934-02
Client ID:	ENV-SW02DUP	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		08/21/2025

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	Q2934
Project:	Amtrak Sawtooth Bridges 2025	Sample ID:	Q2934-02
Client ID:	ENV-SW02MSD	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		08/21/2025

Laboratory Control Sample Summary

Client: Portal Partners Tri-Venture

SDG No.: Q2934

Project: Amtrak Sawtooth Bridges 2025

Run No.: LB136915

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	lb136915BS							
Hexavalent Chromium	mg/L	0.5	0.51		102	1	90-111	08/21/2025

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136915

Review By	rubina	Review On	8/22/2025 12:16:37 PM
Supervise By	jignesh	Supervise On	8/22/2025 12:32:39 PM
SubDirectory	LB136915	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	WP114358,WP114357,WP114355,WP114365,WP114364,WP112831,WP114362,WP114363,WP114356,WP114361,V		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/21/25 16:15		rubina	OK
2	CAL2	CAL2	CAL	08/21/25 16:15		rubina	OK
3	CAL3	CAL3	CAL	08/21/25 16:16		rubina	OK
4	CAL4	CAL4	CAL	08/21/25 16:16		rubina	OK
5	CAL5	CAL5	CAL	08/21/25 16:17		rubina	OK
6	CAL6	CAL6	CAL	08/21/25 16:17		rubina	OK
7	CAL7	CAL7	CAL	08/21/25 16:18		rubina	OK
8	ICV	ICV	ICV	08/21/25 16:18		rubina	OK
9	ICB	ICB	ICB	08/21/25 16:19		rubina	OK
10	CCV1	CCV1	CCV	08/21/25 16:19		rubina	OK
11	CCB1	CCB1	CCB	08/21/25 16:20		rubina	OK
12	RL Check	RL Check	RL	08/21/25 16:20		rubina	OK
13	Ib136915BL	Ib136915BL	MB	08/21/25 16:21		rubina	OK
14	Ib136915BS	Ib136915BS	LCS	08/21/25 16:21		rubina	OK
15	Q2893-07	LOD-MDL-WATER-01	SAM	08/21/25 16:22		rubina	OK
16	Q2893-08	LOQ-WATER-02-QT3	SAM	08/21/25 16:22		rubina	OK
17	Q2934-01	ENV-SW01	SAM	08/21/25 16:23		rubina	OK
18	Q2934-02	ENV-SW02	SAM	08/21/25 16:23		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136915

Review By	rubina	Review On	8/22/2025 12:16:37 PM
Supervise By	jignesh	Supervise On	8/22/2025 12:32:39 PM
SubDirectory	LB136915	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	WP114358,WP114357,WP114355,WP114365,WP114364,WP112831,WP114362,WP114363,WP114356,WP114361,V		

19	Q2934-02DUP	ENV-SW02DUP	DUP	08/21/25 16:24		rubina	OK
20	Q2934-02MS	ENV-SW02MS	MS	08/21/25 16:24		rubina	OK
21	Q2934-02MSD	ENV-SW02MSD	MSD	08/21/25 16:25		rubina	OK
22	Q2934-03	ENV-SW03	SAM	08/21/25 16:25		rubina	OK
23	CCV2	CCV2	CCV	08/21/25 16:26		rubina	OK
24	CCB2	CCB2	CCB	08/21/25 16:26		rubina	OK
25	Q2934-04	ENV-SW04	SAM	08/21/25 16:27		rubina	OK
26	CCV3	CCV3	CCV	08/21/25 16:27		rubina	OK
27	CCB3	CCB3	CCB	08/21/25 16:28		rubina	OK

LAB CHRONICLE

OrderID:	Q2934	OrderDate:	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	ENV-SW01	WATER			08/21/25 09:40			08/21/25
			Hexavalent Chromium	7196A				
			trivalent Chromium	6010D				
Q2934-02	ENV-SW02	WATER			08/21/25 10:15			08/21/25
			Hexavalent Chromium	7196A				
			trivalent Chromium	6010D				
Q2934-03	ENV-SW03	WATER			08/21/25 11:00			08/21/25
			Hexavalent Chromium	7196A				
			trivalent Chromium	6010D				
Q2934-04	ENV-SW04	WATER			08/21/25 11:30			08/21/25
			Hexavalent Chromium	7196A				
			trivalent Chromium	6010D				