



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24 08:20
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW	SDG No.:	P4578
Lab Sample ID:	P4578-01	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		10/25/24 17:24	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		10/29/24 17:15	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:	10/25/24 08:30
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW-1	SDG No.:	P4578
Lab Sample ID:	P4578-02	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		10/25/24 17:28	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		10/29/24 17:20	6010D

Comments:

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24 09:20
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP	SDG No.:	P4578
Lab Sample ID:	P4578-03	Matrix:	SOIL
		% Solid:	53.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.15	U	1	0.15	0.74	mg/Kg	10/28/24 12:20	10/28/24 16:17	7196A
Trivalent Chromium	135		1	0.93	0.93	mg/Kg		10/28/24 20:35	6010D

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:	10/25/24 09:30
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP-1	SDG No.:	P4578
Lab Sample ID:	P4578-04	Matrix:	SOIL
		% Solid:	58.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.13	U	1	0.13	0.67	mg/Kg	10/28/24 12:20	10/28/24 16:18	7196A
Trivalent Chromium	185		1	0.85	0.85	mg/Kg		10/28/24 20:39	6010D

Comments: _____

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24 11:15
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT	SDG No.:	P4578
Lab Sample ID:	P4578-05	Matrix:	SOIL
		% Solid:	82.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.095	U	1	0.095	0.48	mg/Kg	10/28/24 12:20	10/28/24 16:21	7196A
Trivalent Chromium	10.7		1	0.61	0.61	mg/Kg		10/28/24 20:43	6010D

Comments: _____

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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:	10/25/24 11:15
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT	SDG No.:	P4578
Lab Sample ID:	P4578-06	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.71	H	1	0	0	pH		10/25/24 18:00	9045D
Ignitability	NO		1	0	0	oC		10/29/24 11:08	1030
Reactive Cyanide	0.0088	U	1	0.0088	0.050	mg/Kg	10/29/24 09:00	10/29/24 13:34	9012B
Reactive Sulfide	4.78	J	1	0.19	10.0	mg/Kg	10/26/24 09:30	10/26/24 12:10	9034

Comments: pH result reported at temperature 21.2 °C

U = Not Detected

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

* = 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:	10/25/24 11:20
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT-1	SDG No.:	P4578
Lab Sample ID:	P4578-07	Matrix:	SOIL
		% Solid:	94.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.082	U	1	0.082	0.42	mg/Kg	10/28/24 12:20	10/28/24 16:22	7196A
Trivalent Chromium	11.7		1	0.53	0.53	mg/Kg		10/28/24 20:47	6010D

Comments:

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LOD = Limit of Detection

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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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:	10/25/24 11:20
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT-1	SDG No.:	P4578
Lab Sample ID:	P4578-08	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.10	H	1	0	0	pH		10/25/24 18:10	9045D
Ignitability	NO		1	0	0	oC		10/29/24 11:15	1030
Reactive Cyanide	0.0087	U	1	0.0087	0.050	mg/Kg	10/29/24 09:00	10/29/24 13:34	9012B
Reactive Sulfide	4.76	J	1	0.19	10.0	mg/Kg	10/26/24 09:30	10/26/24 12:12	9034

Comments: pH result reported at temperature 21.4 °C

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

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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



QC RESULT SUMMARY



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

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2024

SDG No.: P4578
RunNo.: LB133136

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.504	0.5	101	90-110	10/25/2024
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.505	0.5	101	90-110	10/25/2024
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	10/25/2024

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture

SDG No.: P4578

Project: Amtrak Sawtooth Bridges 2024

RunNo.: LB133138

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.00	7	100	90-110	10/25/2024
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	10/25/2024
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	10/25/2024

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture

SDG No.: P4578

Project: Amtrak Sawtooth Bridges 2024

RunNo.: LB133174

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	10/28/2024
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/28/2024
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	10/28/2024
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	10/28/2024
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.498	0.5	100	90-110	10/28/2024

Initial and Continuing Calibration Verification

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2024

SDG No.: P4578
RunNo.: LB133190

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.099	0.099	100	85-115	10/29/2024
Sample ID: CCV1 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/29/2024
Sample ID: CCV2 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/29/2024
Sample ID: CCV3 Reactive Cyanide	mg/L	0.26	0.25	104	90-110	10/29/2024



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

Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture

SDG No.: P4578

Project: Amtrak Sawtooth Bridges 2024

RunNo.: LB133136

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	10/25/2024
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/25/2024
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/25/2024

Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2024

SDG No.: P4578
RunNo.: LB133174

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	10/28/2024
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/28/2024
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/28/2024
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/28/2024
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/28/2024

Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2024

SDG No.: P4578
RunNo.: LB133190

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	10/29/2024
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/29/2024
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/29/2024
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/29/2024

Preparation Blank Summary

Client: Portal Partners Tri-Venture

SDG No.: P4578

Project: Amtrak Sawtooth Bridges 2024

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133136BL Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	10/25/2024
Sample ID: PB164406BL Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	10/28/2024
Sample ID: PB164425BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	10/26/2024
Sample ID: PB164488BL Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0088	0.05	10/29/2024

Matrix Spike Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4547-01

Client ID:

BP-F-21MS

Percent Solids for Spike Sample:

88.9

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	1420		0.089	U	1440	40	99		10/28/2024

Matrix Spike Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4547-01

Client ID:

BP-F-21MS

Percent Solids for Spike Sample:

88.9

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	44.5		0.089	U	45	2	99		10/28/2024

Matrix Spike Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4547-01

Client ID:

BP-F-21MS

Percent Solids for Spike Sample:

88.9

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	41.1		0.089	U	45	2	91		10/28/2024

Matrix Spike Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4578-01

Client ID:

WB-305-SWMS

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	1.00		0.0030	U	1.0	2	100		10/25/2024

Matrix Spike Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4578-01

Client ID:

WB-305-SWMSD

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	1.01		0.0030	U	1.0	2	101		10/25/2024

Duplicate Sample Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4545-02

Client ID:

VNJ-215DUP

Percent Solids for Spike Sample:

87

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	3.17	J	3.17	J	1	0		10/26/2024

Duplicate Sample Summary

Client: Portal Partners Tri-Venture	SDG No.: P4578
Project: Amtrak Sawtooth Bridges 2024	Sample ID: P4547-01
Client ID: BP-F-21DUP	Percent Solids for Spike Sample: 88.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.089	U	0.088	U	1	0		10/28/2024

Duplicate Sample Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4561-01

Client ID:

BP-F-19DUP

Percent Solids for Spike Sample:

89.3

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		10/29/2024

Duplicate Sample Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4561-04

Client ID:

BP-F-19DUP

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	7.65		7.66		1	0.13		10/25/2024

Duplicate Sample Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4578-01

Client ID:

WB-305-SWDUP

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		10/25/2024

Duplicate Sample Summary

Client:

Portal Partners Tri-Venture

SDG No.:

P4578

Project:

Amtrak Sawtooth Bridges 2024

Sample ID:

P4578-01

Client ID:

WB-305-SWMSD

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	1.00		1.01		2	1		10/25/2024

Duplicate Sample Summary

Client:	Portal Partners Tri-Venture	SDG No.:	P4578
Project:	Amtrak Sawtooth Bridges 2024	Sample ID:	P4598-12
Client ID:	TP-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	0.0088	U	0.0088	U	1	0		10/29/2024

Laboratory Control Sample Summary

Client: Portal Partners Tri-Venture

SDG No.: P4578

Project: Amtrak Sawtooth Bridges 2024

Run No.: LB133136

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133136BS							
Hexavalent Chromium	mg/L	0.5	0.52		104	1	90-111	10/25/2024

Laboratory Control Sample Summary

Client: Portal Partners Tri-Venture

SDG No.: P4578

Project: Amtrak Sawtooth Bridges 2024

Run No.: LB133174

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB164406BS							
Hexavalent Chromium	mg/Kg	20	19.9		100	1	84-110	10/28/2024

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133136

Review By	rubina	Review On	10/26/2024 1:30:43 PM
Supervise By	Iwona	Supervise On	10/28/2024 10:29:16 AM
SubDirectory	LB133136	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	WP110441,WP110440,WP110438,WP110437,WP110382,WP110380,WP110439,WP110444,WP110442,WP110443		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/25/24 17:10		rubina	OK
2	CAL2	CAL2	CAL	10/25/24 17:11		rubina	OK
3	CAL3	CAL3	CAL	10/25/24 17:12		rubina	OK
4	CAL4	CAL4	CAL	10/25/24 17:13		rubina	OK
5	CAL5	CAL5	CAL	10/25/24 17:14		rubina	OK
6	CAL6	CAL6	CAL	10/25/24 17:15		rubina	OK
7	CAL7	CAL7	CAL	10/25/24 17:16		rubina	OK
8	ICV	ICV	ICV	10/25/24 17:17		rubina	OK
9	ICB	ICB	ICB	10/25/24 17:18		rubina	OK
10	CCV1	CCV1	CCV	10/25/24 17:19		rubina	OK
11	CCB1	CCB1	CCB	10/25/24 17:20		rubina	OK
12	RL Check	RL Check	SAM	10/25/24 17:21		rubina	OK
13	LB133136BL	LB133136BL	MB	10/25/24 17:22		rubina	OK
14	LB133136BS	LB133136BS	LCS	10/25/24 17:23		rubina	OK
15	P4578-01	WB-305-SW	SAM	10/25/24 17:24		rubina	OK
16	P4578-01DUP	WB-305-SWDUP	DUP	10/25/24 17:25		rubina	OK
17	P4578-01MS	WB-305-SWMS	MS	10/25/24 17:26		rubina	OK
18	P4578-01MSD	WB-305-SWMSD	MSD	10/25/24 17:27		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133136

Review By	rubina	Review On	10/26/2024 1:30:43 PM
Supervise By	Iwona	Supervise On	10/28/2024 10:29:16 AM
SubDirectory	LB133136	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	WP110441,WP110440,WP110438,WP110437,WP110382,WP110380,WP110439,WP110444,WP110442,WP110443

19	P4578-02	WB-305-SW-1	SAM	10/25/24 17:28		rubina	OK
20	CCV2	CCV2	CCV	10/25/24 17:29		rubina	OK
21	CCB2	CCB2	CCB	10/25/24 17:30		rubina	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133138

Review By	jignesh	Review On	10/26/2024 9:50:45 AM
Supervise By	Iwona	Supervise On	10/28/2024 10:09:02 AM
SubDirectory	LB133138	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,W3005,W3072		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/25/24 17:30		Jignesh	OK
2	CAL2	CAL2	CAL	10/25/24 17:31		Jignesh	OK
3	CAL3	CAL3	CAL	10/25/24 17:33		Jignesh	OK
4	ICV	ICV	ICV	10/25/24 17:35		Jignesh	OK
5	CCV1	CCV1	CCV	10/25/24 17:38		Jignesh	OK
6	P4561-04	BP-F-19	SAM	10/25/24 17:40		Jignesh	OK
7	P4561-04DUP	BP-F-19DUP	DUP	10/25/24 17:41		Jignesh	OK
8	P4561-08	BP-F-18	SAM	10/25/24 17:42		Jignesh	OK
9	P4567-04	WC-1	SAM	10/25/24 17:45		Jignesh	OK
10	P4567-08	WC-2	SAM	10/25/24 17:46		Jignesh	OK
11	P4567-12	WC-3	SAM	10/25/24 17:49		Jignesh	OK
12	P4574-03	GRAVEL-1	SAM	10/25/24 17:50		Jignesh	OK
13	P4574-06	GRAVEL-2	SAM	10/25/24 17:53		Jignesh	OK
14	P4578-06	WB-305-BOT	SAM	10/25/24 18:00		Jignesh	OK
15	P4578-08	WB-305-BOT-1	SAM	10/25/24 18:10		Jignesh	OK
16	CCV2	CCV2	CCV	10/25/24 18:11		Jignesh	OK

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB133148

Review By	rubina	Review On	10/26/2024 2:16:15 PM
Supervise By	Iwona	Supervise On	10/28/2024 10:23:13 AM
SubDirectory	LB133148	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	PB164425BL	PB164425BL	MB	10/26/24 11:40		rubina	OK
2	P4545-02	VNJ-215	SAM	10/26/24 11:43		rubina	OK
3	P4545-02DUP	VNJ-215DUP	DUP	10/26/24 11:45		rubina	OK
4	P4547-04	BP-F-21	SAM	10/26/24 11:48		rubina	OK
5	P4547-08	BP-F-20	SAM	10/26/24 11:50		rubina	OK
6	P4561-04	BP-F-19	SAM	10/26/24 11:52		rubina	OK
7	P4561-08	BP-F-18	SAM	10/26/24 11:55		rubina	OK
8	P4567-04	WC-1	SAM	10/26/24 11:58		rubina	OK
9	P4567-08	WC-2	SAM	10/26/24 12:00		rubina	OK
10	P4567-12	WC-3	SAM	10/26/24 12:03		rubina	OK
11	P4574-03	GRAVEL-1	SAM	10/26/24 12:05		rubina	OK
12	P4574-06	GRAVEL-2	SAM	10/26/24 12:08		rubina	OK
13	P4578-06	WB-305-BOT	SAM	10/26/24 12:10		rubina	OK
14	P4578-08	WB-305-BOT-1	SAM	10/26/24 12:12		rubina	OK

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QC Batch ID # LB133169

Review By	Iwona	Review On	10/29/2024 2:47:17 PM
Supervise By	jignesh	Supervise On	10/29/2024 2:54:55 PM
SubDirectory	LB133169	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	P4561-01	BP-F-19	SAM	10/29/24 09:15		rubina	OK
2	P4561-01DUP	BP-F-19DUP	DUP	10/29/24 09:23		rubina	OK
3	P4561-04	BP-F-19	SAM	10/29/24 09:30		rubina	OK
4	P4561-05	BP-F-18	SAM	10/29/24 09:38		rubina	OK
5	P4561-08	BP-F-18	SAM	10/29/24 09:45		rubina	OK
6	P4567-01	WC-1	SAM	10/29/24 09:52		rubina	OK
7	P4567-04	WC-1	SAM	10/29/24 10:00		rubina	OK
8	P4567-05	WC-2	SAM	10/29/24 10:08		rubina	OK
9	P4567-08	WC-2	SAM	10/29/24 10:15		rubina	OK
10	P4567-09	WC-3	SAM	10/29/24 10:23		rubina	OK
11	P4567-12	WC-3	SAM	10/29/24 10:30		rubina	OK
12	P4574-01	GRAVEL-1	SAM	10/29/24 10:38		rubina	OK
13	P4574-03	GRAVEL-1	SAM	10/29/24 10:45		rubina	OK
14	P4574-04	GRAVEL-2	SAM	10/29/24 10:52		rubina	OK
15	P4574-06	GRAVEL-2	SAM	10/29/24 11:00		rubina	OK
16	P4578-06	WB-305-BOT	SAM	10/29/24 11:08		rubina	OK
17	P4578-08	WB-305-BOT-1	SAM	10/29/24 11:15		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133174

Review By	rubina	Review On	10/28/2024 4:58:09 PM
Supervise By	Iwona	Supervise On	10/28/2024 4:58:29 PM
SubDirectory	LB133174	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	WP110382,WP110380,WP110381,WP108645		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/28/24 15:45		rubina	OK
2	CAL2	CAL2	CAL	10/28/24 15:46		rubina	OK
3	CAL3	CAL3	CAL	10/28/24 15:47		rubina	OK
4	CAL4	CAL4	CAL	10/28/24 15:48		rubina	OK
5	CAL5	CAL5	CAL	10/28/24 15:49		rubina	OK
6	CAL6	CAL6	CAL	10/28/24 15:50		rubina	OK
7	CAL7	CAL7	CAL	10/28/24 15:51		rubina	OK
8	ICV	ICV	ICV	10/28/24 15:52		rubina	OK
9	ICB	ICB	ICB	10/28/24 15:53		rubina	OK
10	CCV1	CCV1	CCV	10/28/24 15:54		rubina	OK
11	CCB1	CCB1	CCB	10/28/24 15:55		rubina	OK
12	RL Check	RL Check	SAM	10/28/24 15:56		rubina	OK
13	PB164406BL	PB164406BL	MB	10/28/24 15:57		rubina	OK
14	PB164406BS	PB164406BS	LCS	10/28/24 15:58		rubina	OK
15	P4545-01	VNJ-215	SAM	10/28/24 15:59		rubina	OK
16	P4547-01	BP-F-21	SAM	10/28/24 16:00		rubina	OK
17	P4547-01DUP	BP-F-21DUP	DUP	10/28/24 16:01		rubina	OK
18	P4547-01MSPre	BP-F-21MS	MS	10/28/24 16:02		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133174

Review By	rubina	Review On	10/28/2024 4:58:09 PM
Supervise By	Iwona	Supervise On	10/28/2024 4:58:29 PM
SubDirectory	LB133174	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	WP110382,WP110380,WP110381,WP108645		

19	P4547-01MS2Ins	BP-F-21MS	MS	10/28/24 16:03		rubina	OK
20	P4547-01MS3Post	BP-F-21MS	MS	10/28/24 16:04		rubina	OK
21	P4547-05	BP-F-20	SAM	10/28/24 16:05		rubina	OK
22	P4561-01	BP-F-19	SAM	10/28/24 16:06		rubina	OK
23	CCV2	CCV2	CCV	10/28/24 16:07		rubina	OK
24	CCB2	CCB2	CCB	10/28/24 16:08		rubina	OK
25	P4561-05	BP-F-18	SAM	10/28/24 16:09		rubina	OK
26	P4567-01	WC-1	SAM	10/28/24 16:10		rubina	OK
27	P4567-05	WC-2	SAM	10/28/24 16:11		rubina	OK
28	P4567-09	WC-3	SAM	10/28/24 16:12		rubina	OK
29	P4574-01	GRAVEL-1	SAM	10/28/24 16:13		rubina	OK
30	P4574-04	GRAVEL-2	SAM	10/28/24 16:14		rubina	OK
31	P4575-01	PL-02-102424	SAM	10/28/24 16:15		rubina	OK
32	P4577-01	TR-05-102524	SAM	10/28/24 16:16		rubina	OK
33	P4578-03	WB-305-TOP	SAM	10/28/24 16:17		rubina	OK
34	P4578-04	WB-305-TOP-1	SAM	10/28/24 16:18		rubina	OK
35	CCV3	CCV3	CCV	10/28/24 16:19		rubina	OK
36	CCB3	CCB3	CCB	10/28/24 16:20		rubina	OK
37	P4578-05	WB-305-BOT	SAM	10/28/24 16:21		rubina	OK
38	P4578-07	WB-305-BOT-1	SAM	10/28/24 16:22		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133174

Review By	rubina	Review On	10/28/2024 4:58:09 PM
Supervise By	Iwona	Supervise On	10/28/2024 4:58:29 PM
SubDirectory	LB133174	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	WP110382,WP110380,WP110381,WP108645

39	CCV4	CCV4	CCV	10/28/24 16:23		rubina	OK
40	CCB4	CCB4	CCB	10/28/24 16:24		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133190

Review By	Niha	Review On	10/30/2024 9:24:14 AM
Supervise By	Iwona	Supervise On	10/30/2024 1:27:50 PM
SubDirectory	LB133190	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP110467,WP110468,WP110469,WP110470,WP110471,WP110472,WP110473		
ICV Standard	WP110475		
CCV Standard	WP110468		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP109068,WP110103,WP110474		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/29/24 12:52		Niha	OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/29/24 12:52		Niha	OK
3	10PPBCN	10PPBCN	CAL3	10/29/24 12:52		Niha	OK
4	50PPBCN	50PPBCN	CAL4	10/29/24 12:52		Niha	OK
5	100PPBCN	100PPBCN	CAL5	10/29/24 12:52		Niha	OK
6	250PPBCN	250PPBCN	CAL6	10/29/24 12:52		Niha	OK
7	500PPBCN	500PPBCN	CAL7	10/29/24 12:52		Niha	OK
8	ICV1	ICV1	ICV	10/29/24 13:26		Niha	OK
9	ICB1	ICB1	ICB	10/29/24 13:26		Niha	OK
10	CCV1	CCV1	CCV	10/29/24 13:26		Niha	OK
11	CCB1	CCB1	CCB	10/29/24 13:26		Niha	OK
12	PB164488BL	PB164488BL	MB	10/29/24 13:26		Niha	OK
13	P4574-03	GRAVEL-1	SAM	10/29/24 13:26		Niha	OK
14	P4574-06	GRAVEL-2	SAM	10/29/24 13:34		Niha	OK
15	P4578-06	WB-305-BOT	SAM	10/29/24 13:34		Niha	OK
16	P4578-08	WB-305-BOT-1	SAM	10/29/24 13:34		Niha	OK
17	P4594-04	TP-4	SAM	10/29/24 13:34		Niha	OK
18	P4594-08	BP-F17	SAM	10/29/24 13:34		Niha	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133190

Review By	Niha	Review On	10/30/2024 9:24:14 AM
Supervise By	Iwona	Supervise On	10/30/2024 1:27:50 PM
SubDirectory	LB133190	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP110467,WP110468,WP110469,WP110470,WP110471,WP110472,WP110473		
ICV Standard	WP110475		
CCV Standard	WP110468		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP109068,WP110103,WP110474		

19	P4594-12	BP-F16	SAM	10/29/24 13:34		Niha	OK
20	P4594-16	TP-5	SAM	10/29/24 13:34		Niha	OK
21	P4594-20	BP-F15	SAM	10/29/24 13:34		Niha	OK
22	CCV2	CCV2	CCV	10/29/24 13:34		Niha	OK
23	CCB2	CCB2	CCB	10/29/24 13:34		Niha	OK
24	P4595-02	PITKIN-COMP	SAM	10/29/24 13:34		Niha	OK
25	P4597-03	RED-1-1	SAM	10/29/24 13:41		Niha	OK
26	P4597-06	RED-1-2	SAM	10/29/24 13:41		Niha	OK
27	P4597-09	BLUE-2-1	SAM	10/29/24 13:41		Niha	OK
28	P4597-12	BLUE-2-2	SAM	10/29/24 13:41		Niha	OK
29	P4598-04	BP-F12	SAM	10/29/24 13:41		Niha	OK
30	P4598-08	BP-F11	SAM	10/29/24 13:41		Niha	OK
31	P4598-12	TP-8	SAM	10/29/24 13:41		Niha	OK
32	P4598-12DUP	TP-8DUP	DUP	10/29/24 13:41		Niha	OK
33	CCV3	CCV3	CCV	10/29/24 13:45		Niha	OK
34	CCB3	CCB3	CCB	10/29/24 13:45		Niha	OK

LAB CHRONICLE

OrderID:	P4578	OrderDate:	10/25/2024 3:58:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K63,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4578-01	WB-305-SW	WATER			10/25/24 08:20			10/25/24
			Hexavalent Chromium	7196A				
			trivalent Chromium	6010D				
P4578-02	WB-305-SW-1	WATER			10/25/24 08:30			10/25/24
			Hexavalent Chromium	7196A				
			trivalent Chromium	6010D				
P4578-03	WB-305-TOP	SOIL			10/25/24 09:20	10/28/24		10/25/24
			Hexavalent Chromium	7196A				
			Trivalent Chromium	6010D				
P4578-04	WB-305-TOP-1	SOIL			10/25/24 09:30	10/28/24		10/25/24
			Hexavalent Chromium	7196A				
			Trivalent Chromium	6010D				
P4578-05	WB-305-BOT	SOIL			10/25/24 11:15	10/28/24		10/25/24
			Hexavalent Chromium	7196A				

LAB CHRONICLE

P4578-06	WB-305-BOT	SOIL	Trivalent Chromium	6010D		10/28/24 20:43	10/25/24
					10/25/24 11:15		
			Corrosivity	9045D		10/25/24 18:00	
			Ignitability	1030		10/29/24 11:08	
			Reactive Cyanide	9012B	10/29/24	10/29/24 13:34	
			Reactive Sulfide	9034	10/26/24	10/26/24 12:10	
P4578-07	WB-305-BOT-1	SOIL			10/25/24 11:20		10/25/24
			Hexavalent Chromium	7196A	10/28/24	10/28/24 16:22	
			Trivalent Chromium	6010D		10/28/24 20:47	
P4578-08	WB-305-BOT-1	SOIL			10/25/24 11:20		10/25/24
			Corrosivity	9045D		10/25/24 18:10	
			Ignitability	1030		10/29/24 11:15	
			Reactive Cyanide	9012B	10/29/24	10/29/24 13:34	
			Reactive Sulfide	9034	10/26/24	10/26/24 12:12	

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

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#3

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

Weigh By : RM

Start Digest Date: 10/28/2024 Time : 12:20 Temp : 90 °C

End Digest Date: 10/28/2024 Time : 13:20 Temp : 95 °C

1st batch 10/28/2024 10/28/2024 19.00 15.00 90.2 95.2 RM

Digestion tube ID : M5595

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	WP108658
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP108658
LCSS	1.0ML	WP108659
PBS003	50.0ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3001
PHOSPHATE BUFFER	0.5ML	WP108008
HEX. DIGESTION SOLN.	50.0ML	WP110092
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	WP110450
CAL3	CAL3	0.5ML	WP110450
CAL4	CAL4	1ML	WP110450
CAL5	CAL5	0.2ML	WP108658
CAL6	CAL6	1ML	WP108658
CAL7	CAL7	2.0ML	WP108658
ICV	ICV	1ML	WP108659
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP108658
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments:

10/28/2024 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
P4545-01	VNJ-215	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4547-01	BP-F-21	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4547-01DUP	BP-F-21DUP	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4547-01MSPre	BP-F-21MSPRE	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4547-01MS2Ins	BP-F-21MS2INS	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4547-01MS3Post	BP-F-21MS3POST	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4547-05	BP-F-20	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4561-01	BP-F-19	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4561-05	BP-F-18	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4567-01	WC-1	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4567-05	WC-2	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4567-09	WC-3	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4574-01	GRAVEL-1	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4574-04	GRAVEL-2	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
P4575-01	PL-02-102424	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4577-01	TR-05-102524	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
P4578-03	WB-305-TOP	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4578-04	WB-305-TOP-1	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4578-05	WB-305-BOT	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4578-07	WB-305-BOT-1	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
PB164406BL	PBS406	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB164406BS	LCS406	2.50	100	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-4

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : RM

Start Digest Date: 10/26/2024 Time : 09:30 Temp : N/A

End Digest Date: 10/26/2024 Time : 11:00 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:

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	WP108780
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:

N/A

10/26/2024 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
P4545-02	VNJ-215	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4545-02DUP	VNJ-215DUP	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4547-04	BP-F-21	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4547-08	BP-F-20	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4561-04	BP-F-19	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4561-08	BP-F-18	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4567-04	WC-1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4567-08	WC-2	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4567-12	WC-3	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4574-03	GRAVEL-1	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4574-06	GRAVEL-2	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4578-06	WB-305-BOT	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4578-08	WB-305-BOT-1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
PB164425BL	PBS425	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID :	M9012B-Total, Amenable and Reactive Cyanide-20		
SDG No :	N/A	Start Digest Date:	10/29/2024 Time : 09:00 Temp : N/A
Matrix :	SOLID	End Digest Date:	10/29/2024 Time : 10:30 Temp : N/A
Pipette ID :	N/A		
Balance ID :	WC SC-4		
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
Weigh 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	WP108640
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
10-29-2024, 10:45	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
P4574-03	GRAVEL-1	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4574-06	GRAVEL-2	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4578-06	WB-305-BOT	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4578-08	WB-305-BOT-1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4594-04	TP-4	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4594-08	BP-F17	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4594-12	BP-F16	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4594-16	TP-5	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4594-20	BP-F15	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4595-02	PITKIN-COMP	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4597-03	RED-1-1	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4597-06	RED-1-2	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4597-09	BLUE-2-1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4597-12	BLUE-2-2	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4598-04	BP-F12	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
P4598-08	BP-F11	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4598-12	TP-8	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4598-12DUP	TP-8DUP	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
PB164488BL	PBS488	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A