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Hit Summary Sheet
SW-846

SDG No.: P4578

Order ID: P4578

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	10/25/24		
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:	TCLP		
Analytical Method:	SW8151A			% Solid:	0		Decanted:
Sample Wt/Vol:	100	Units:	mL	Final Vol:	10000		uL
Soil Aliquot Vol:	uL			Test:	TCLP Herbicide		
Extraction Type:				Injection Volume :			
GPC Factor :	1.0	PH :					
Prep Method :	8151A						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028265.D	1	10/28/24 08:45	11/06/24 15:23	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	338	*	70 (39) - 130 (175)	68%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
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:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028293.D	1	10/28/24 08:45	11/07/24 03:04	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	367		70 (39) - 130 (175)	73%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/28/24
Client Sample ID:	PB164393TB	SDG No.:	P4578
Lab Sample ID:	PB164393TB	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028345.D	1	10/28/24 08:45	11/08/24 01:05	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	376		70 (39) - 130 (175)	75%	SPK: 500

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **P4578**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS028252.D	PIBLK-PS028252.D	2,4-DCAA	1	500	489	98		70 (39)	130 (175)
		2,4-DCAA	2	500	491	98		70 (39)	130 (175)
I.BLK-PS028259.D	PIBLK-PS028259.D	2,4-DCAA	1	500	501	100		70 (39)	130 (175)
		2,4-DCAA	2	500	506	101		70 (39)	130 (175)
PB164519BL	PB164519BL	2,4-DCAA	1	500	561	112		70 (39)	130 (175)
		2,4-DCAA	2	500	538	108		70 (39)	130 (175)
PB164519BS	PB164519BS	2,4-DCAA	1	500	541	108		70 (39)	130 (175)
		2,4-DCAA	2	500	530	106		70 (39)	130 (175)
P4578-06	WB-305-BOT	2,4-DCAA	1	500	338	68	*	70 (39)	130 (175)
		2,4-DCAA	2	500	278	56	*	70 (39)	130 (175)
I.BLK-PS028271.D	PIBLK-PS028271.D	2,4-DCAA	1	500	519	104		70 (39)	130 (175)
		2,4-DCAA	2	500	516	103		70 (39)	130 (175)
I.BLK-PS028283.D	PIBLK-PS028283.D	2,4-DCAA	1	500	529	106		70 (39)	130 (175)
		2,4-DCAA	2	500	516	103		70 (39)	130 (175)
P4578-06MS	WB-305-BOTMS	2,4-DCAA	1	500	356	71		70 (39)	130 (175)
		2,4-DCAA	2	500	289	58	*	70 (39)	130 (175)
P4578-06MSD	WB-305-BOTMSD	2,4-DCAA	1	500	364	73		70 (39)	130 (175)
		2,4-DCAA	2	500	300	60	*	70 (39)	130 (175)
P4578-08	WB-305-BOT-1	2,4-DCAA	1	500	367	73		70 (39)	130 (175)
		2,4-DCAA	2	500	306	61	*	70 (39)	130 (175)
I.BLK-PS028296.D	PIBLK-PS028296.D	2,4-DCAA	1	500	530	106		70 (39)	130 (175)
		2,4-DCAA	2	500	508	102		70 (39)	130 (175)
I.BLK-PS028334.D	PIBLK-PS028334.D	2,4-DCAA	1	500	543	109		70 (39)	130 (175)
		2,4-DCAA	2	500	473	95		70 (39)	130 (175)
PB164393TB	PB164393TB	2,4-DCAA	1	500	376	75		70 (39)	130 (175)
		2,4-DCAA	2	500	292	58	*	70 (39)	130 (175)
I.BLK-PS028346.D	PIBLK-PS028346.D	2,4-DCAA	1	500	547	109		70 (39)	130 (175)
		2,4-DCAA	2	500	469	94		70 (39)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

DataFile : PS028291.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WB-305-BOTMS											
P4578-06MS	2,4-D	50	0	53.0	ug/L	106				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	72.0	ug/L	144	*			70 (62)	130 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

DataFile : PS028292.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WB-305-BOTMSD											
P4578-06MSD	2,4-D	50	0	54.1	ug/L	108		2		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	71.5	ug/L	143	*	1		70 (62)	130 (139)	20 (20)



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: 8151A Datafile : PS028263.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164519BS	2,4-D	5	5.10	ug/L	102				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.10	ug/L	102				70 (78)	130 (127)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164519BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4578

SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164519BL

Lab File ID: PS028262.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/28/2024

Date Analyzed (1): 11/06/2024

Date Analyzed (2): 11/06/2024

Time Analyzed (1): 13:26

Time Analyzed (2): 13:26

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm)

GC Column (2): RTX-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164519BS	PB164519BS	PS028263.D	11/06/2024	11/06/2024
WB-305-BOT	P4578-06	PS028265.D	11/06/2024	11/06/2024
WB-305-BOTMS	P4578-06MS	PS028291.D	11/07/2024	11/07/2024
WB-305-BOTMSD	P4578-06MSD	PS028292.D	11/07/2024	11/07/2024
WB-305-BOT-1	P4578-08	PS028293.D	11/07/2024	11/07/2024
PB164393TB	PB164393TB	PS028345.D	11/08/2024	11/08/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164519BL	SDG No.:	P4578
Lab Sample ID:	PB164519BL	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028262.D	1	10/28/24 08:45	11/06/24 13:26	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	561		70 (39) - 130 (175)	112%	SPK: 500

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028252.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028252.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028252.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	491		70 (39) - 130 (175)	98%	SPK: 500

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028259.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028259.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028259.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	506		70 (39) - 130 (175)	101%	SPK: 500

Comments:

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B = Analyte Found in Associated Method Blank

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028271.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028271.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028271.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	519		70 (39) - 130 (175)	104%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028283.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028283.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028283.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	529		70 (39) - 130 (175)	106%	SPK: 500

Comments:

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/07/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028296.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028296.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028296.D	1		11/07/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	531		70 (39) - 130 (175)	106%	SPK: 500

Comments:

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LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/07/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028334.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028334.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028334.D	1		11/07/24	PS110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	543		70 (39) - 130 (175)	109%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/08/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/08/24
Client Sample ID:	PIBLK-PS028346.D	SDG No.:	P4578
Lab Sample ID:	I.BLK-PS028346.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028346.D	1		11/08/24	PS110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	547		70 (39) - 130 (175)	109%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164519BS	SDG No.:	P4578
Lab Sample ID:	PB164519BS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028263.D	1	10/28/24 08:45	11/06/24 13:50	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.10		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.10		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	541		70 (39) - 130 (175)	108%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOTMS	SDG No.:	P4578
Lab Sample ID:	P4578-06MS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028291.D	1	10/28/24 08:45	11/07/24 02:16	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	53.0		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	72.0	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	356		70 (39) - 130 (175)	71%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOTMSD	SDG No.:	P4578
Lab Sample ID:	P4578-06MSD	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028292.D	1	10/28/24 08:45	11/07/24 02:40	PB164519

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	54.1		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	71.5	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	364		70 (39) - 130 (175)	73%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



CALIBRATION SUMMARY



Contract:	<u>PORT06</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4578</u>	SAS No.:	<u>P4578</u>	SDG NO.:	<u>P4578</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):		<u>11/06/2024</u>	<u>11/06/2024</u>		
		Calibration Times:		<u>09:48</u>	<u>11:24</u>		

LAB FILE ID:	RT 200 =	<u>PS028253.D</u>	RT 500 =	<u>PS028254.D</u>
RT 750 =	<u>PS028255.D</u>	RT 1000 =	<u>PS028256.D</u>	RT 1500 =
			<u>PS028257.D</u>	

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Instrument ID: ECD_S Calibration Date(s): 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS028253.D</u>	RT 500 = <u>PS028254.D</u>
	RT 750 = <u>PS028255.D</u>	RT 1000 = <u>PS028256.D</u>
		RT 1500 = <u>PS028257.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.92	9.92	9.92	9.92	9.92	9.92	9.82	10.02
2,4-D	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.76	7.66	7.86

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Instrument ID: ECD_S Calibration Date(s): 11/06/2024 11/06/2024
Calibration Times: 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS028253.D</u>	CF 500 =	<u>PS028254.D</u>		
CF 750 =		<u>PS028255.D</u>	CF 1000 =	<u>PS028256.D</u>	CF 1500 =	<u>PS028257.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	18381400000	17393400000	17071400000	16437600000	15844400000	17025600000	6
2,4-D	3499520000	3198390000	3124710000	3013570000	2944350000	3156110000	7
2,4-DCAA	2911600000	2530960000	2546610000	2432090000	2385800000	2561410000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Instrument ID: ECD_S Calibration Date(s): 11/06/2024 11/06/2024
Calibration Times: 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS028253.D</u>	CF 500 =	<u>PS028254.D</u>		
CF 750 =		<u>PS028255.D</u>	CF 1000 =	<u>PS028256.D</u>	CF 1500 =	<u>PS028257.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	12950900000	12612000000	12578800000	12192000000	11879700000	12442700000	3
2,4-D	2348170000	2233230000	2226180000	2175820000	2167290000	2230140000	3
2,4-DCAA	1855960000	1741220000	1731630000	1690270000	1689820000	1741780000	4



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Instrument ID: Date(s) Analyzed:

GC Column: ID: (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

Continuing Calib Date: 11/06/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 12:38 **Initial Calibration Time(s):** 09:48 11:24

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

Continuing Calib Date: 11/06/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 12:38 **Initial Calibration Time(s):** 09:48 11:24

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.77	7.77	7.67	7.87	0.01
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL01 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028260.D Time Analyzed: 12:38

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.277	9.177	9.377	725.700	712.500	1.9
2,4-D	8.394	8.294	8.494	710.400	705.000	0.8
2,4-DCAA	7.262	7.162	7.362	757.550	750.000	1.0

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL01 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028260.D Time Analyzed: 12:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.922	9.823	10.023	729.510	712.500	2.4
2,4-D	9.015	8.915	9.115	713.640	705.000	1.2
2,4-DCAA	7.765	7.665	7.865	759.640	750.000	1.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

Continuing Calib Date: 11/06/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 18:15 **Initial Calibration Time(s):** 09:48 11:24

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

Continuing Calib Date: 11/06/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 18:15 **Initial Calibration Time(s):** 09:48 11:24

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/06/2024 11/06/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/06/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028272.D **Time Analyzed:** 18:15

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.276	9.177	9.377	748.270	712.500	5.0
2,4-D	8.393	8.294	8.494	733.030	705.000	4.0
2,4-DCAA	7.261	7.162	7.362	777.510	750.000	3.7

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL02 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028272.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.922	9.823	10.023	740.260	712.500	3.9
2,4-D	9.014	8.915	9.115	721.950	705.000	2.4
2,4-DCAA	7.764	7.665	7.865	776.030	750.000	3.5

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 23:03 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 23:03 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL03 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028284.D Time Analyzed: 23:03

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.274	9.177	9.377	764.460	712.500	7.3
2,4-D	8.391	8.294	8.494	746.130	705.000	5.8
2,4-DCAA	7.260	7.162	7.362	788.410	750.000	5.1

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL03 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028284.D Time Analyzed: 23:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.921	9.823	10.023	729.370	712.500	2.4
2,4-D	9.013	8.915	9.115	714.340	705.000	1.3
2,4-DCAA	7.763	7.665	7.865	773.710	750.000	3.2

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 04:40 **Initial Calibration Time(s):** 09:48 11:24

GC Column: RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4578 **SAS No.:** P4578 **SDG NO.:** P4578

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 04:40 **Initial Calibration Time(s):** 09:48 11:24

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL04 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028297.D Time Analyzed: 04:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.270	9.177	9.377	773.230	712.500	8.5
2,4-D	8.388	8.294	8.494	749.690	705.000	6.3
2,4-DCAA	7.258	7.162	7.362	772.740	750.000	3.0

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL04 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028297.D Time Analyzed: 04:40

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.918	9.823	10.023	718.100	712.500	0.8
2,4-D	9.011	8.915	9.115	700.360	705.000	-0.7
2,4-DCAA	7.761	7.665	7.865	760.410	750.000	1.4



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: _____ ID: _____ (mm) Initi. Calib. Date(s): _____

Client Sample No.: _____ Date Analyzed: _____

Lab Sample No.: _____ Data File : _____ Time Analyzed: _____

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

GC Column: _____ ID: _____ (mm) Initi. Calib. Date(s): _____

Client Sample No.: _____ Date Analyzed: _____

Lab Sample No.: _____ Data File : _____ Time Analyzed: _____

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4578
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 11/06/2024 11/06/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	11/06/2024	09:24	PS028252.D	7.26	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.26	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.26	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.26	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.26	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.26	0.00
IBLK	IBLK	11/06/2024	12:14	PS028259.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	12:38	PS028260.D	7.26	0.00
PB164519BL	PB164519BL	11/06/2024	13:26	PS028262.D	7.26	0.00
PB164519BS	PB164519BS	11/06/2024	13:50	PS028263.D	7.26	0.00
WB-305-BOT	P4578-06	11/06/2024	15:23	PS028265.D	7.26	0.00
IBLK	IBLK	11/06/2024	17:51	PS028271.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	18:15	PS028272.D	7.26	0.00
IBLK	IBLK	11/06/2024	22:39	PS028283.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.26	0.00
WB-305-BOTMS	P4578-06MS	11/07/2024	02:16	PS028291.D	7.26	0.00
WB-305-BOTMSD	P4578-06MSD	11/07/2024	02:40	PS028292.D	7.26	0.00
WB-305-BOT-1	P4578-08	11/07/2024	03:04	PS028293.D	7.26	0.00
IBLK	IBLK	11/07/2024	04:16	PS028296.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.26	0.00

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4578
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/06/2024 11/06/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	11/06/2024	09:24	PS028252.D	7.76	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.77	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.77	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.77	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.77	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.77	0.00
IBLK	IBLK	11/06/2024	12:14	PS028259.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	12:38	PS028260.D	7.77	0.00
PB164519BL	PB164519BL	11/06/2024	13:26	PS028262.D	7.77	0.00
PB164519BS	PB164519BS	11/06/2024	13:50	PS028263.D	7.77	0.00
WB-305-BOT	P4578-06	11/06/2024	15:23	PS028265.D	7.76	0.00
IBLK	IBLK	11/06/2024	17:51	PS028271.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	18:15	PS028272.D	7.76	0.00
IBLK	IBLK	11/06/2024	22:39	PS028283.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.76	0.00
WB-305-BOTMS	P4578-06MS	11/07/2024	02:16	PS028291.D	7.76	0.00
WB-305-BOTMSD	P4578-06MSD	11/07/2024	02:40	PS028292.D	7.76	0.00
WB-305-BOT-1	P4578-08	11/07/2024	03:04	PS028293.D	7.76	0.00
IBLK	IBLK	11/07/2024	04:16	PS028296.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.76	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164519BS

Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab Sample ID: PB164519BS Date(s) Analyzed: 11/06/2024 11/06/2024

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP ID: 0.32 (mm) GC Column:(2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.39	8.34	8.44	5.10	4
	2	9.02	8.97	9.07	4.90	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	5.10	0
	2	9.92	9.87	9.97	5.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-305-BOTMS

Contract: PORT06

Lab Code: CHEM

Case No.: P4578

SAS No.: P4578

SDG NO.: P4578

Lab Sample ID: P4578-06MS

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.39	8.34	8.44	53.0	8.7
	2	9.01	8.96	9.06	48.6	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	52.6	31.1
	2	9.92	9.87	9.97	72.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-305-BOTMSD

Contract: PORT06

Lab Code: CHEM

Case No.: P4578

SAS No.: P4578

SDG NO.: P4578

Lab Sample ID: P4578-06MSD

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.39	8.34	8.44	54.1	9.1
	2	9.01	8.96	9.06	49.4	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	53.2	29.4
	2	9.92	9.87	9.97	71.5	



SAMPLE RAW DATA



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

Manual Integration Report

Sequence:

PS110624

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

PS110724

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory PS110624	HP Acquire Method HP Processing Method ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC Internal Standard/PEM	PP23462
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23469

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028251.D	06 Nov 2024 09:00	AR\AJ	Ok
2	I.BLK	PS028252.D	06 Nov 2024 09:24	AR\AJ	Ok
3	HSTDICC200	PS028253.D	06 Nov 2024 09:48	AR\AJ	Ok
4	HSTDICC500	PS028254.D	06 Nov 2024 10:12	AR\AJ	Ok,NR
5	HSTDICC750	PS028255.D	06 Nov 2024 10:36	AR\AJ	Ok
6	HSTDICC1000	PS028256.D	06 Nov 2024 11:00	AR\AJ	Ok,NR
7	HSTDICC1500	PS028257.D	06 Nov 2024 11:24	AR\AJ	Ok
8	HSTDICV750	PS028258.D	06 Nov 2024 11:48	AR\AJ	Ok,NR
9	I.BLK	PS028259.D	06 Nov 2024 12:14	AR\AJ	Ok
10	HSTDCCC750	PS028260.D	06 Nov 2024 12:38	AR\AJ	Ok
11	P4643-09RE	PS028261.D	06 Nov 2024 13:02	AR\AJ	Confirms
12	PB164519BL	PS028262.D	06 Nov 2024 13:26	AR\AJ	Ok,NR
13	PB164519BS	PS028263.D	06 Nov 2024 13:50	AR\AJ	Ok
14	PB164393TB	PS028264.D	06 Nov 2024 14:14	AR\AJ	Not Ok
15	P4578-06	PS028265.D	06 Nov 2024 15:23	AR\AJ	Ok,NR
16	P4682-01	PS028266.D	06 Nov 2024 15:50	AR\AJ	Ok,NR
17	P4667-01	PS028267.D	06 Nov 2024 16:14	AR\AJ	Ok,NR
18	P4667-05	PS028268.D	06 Nov 2024 16:39	AR\AJ	Ok,NR
19	P4667-09	PS028269.D	06 Nov 2024 17:03	AR\AJ	Ok,NR
20	P4667-13	PS028270.D	06 Nov 2024 17:27	AR\AJ	Ok,NR
21	I.BLK	PS028271.D	06 Nov 2024 17:51	AR\AJ	Ok,NR

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory PS110624	HP Acquire Method HP Processing Method ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	HSTDCCC750	PS028272.D	06 Nov 2024 18:15	AR\AJ	Ok,NR
23	P4679-01	PS028273.D	06 Nov 2024 18:39	AR\AJ	Ok,NR
24	P4680-01	PS028274.D	06 Nov 2024 19:03	AR\AJ	Ok,NR
25	P4680-05	PS028275.D	06 Nov 2024 19:27	AR\AJ	Ok,NR
26	P4695-01	PS028276.D	06 Nov 2024 19:51	AR\AJ	Ok,NR
27	P4693-01	PS028277.D	06 Nov 2024 20:15	AR\AJ	Ok,NR
28	P4693-05	PS028278.D	06 Nov 2024 20:39	AR\AJ	Ok,NR
29	P4711-01	PS028279.D	06 Nov 2024 21:03	AR\AJ	Ok,NR
30	P4711-06	PS028280.D	06 Nov 2024 21:27	AR\AJ	Ok,NR
31	P4719-01	PS028281.D	06 Nov 2024 21:51	AR\AJ	Ok,NR
32	PB164703BL	PS028282.D	06 Nov 2024 22:15	AR\AJ	Ok,NR
33	I.BLK	PS028283.D	06 Nov 2024 22:39	AR\AJ	Ok,NR
34	HSTDCCC750	PS028284.D	06 Nov 2024 23:03	AR\AJ	Ok,NR
35	PB164703BS	PS028285.D	06 Nov 2024 23:51	AR\AJ	Ok
36	PB164494BS	PS028286.D	07 Nov 2024 00:15	AR\AJ	Ok,NR
37	PB164494BSD	PS028287.D	07 Nov 2024 00:39	AR\AJ	Ok,NR
38	PB164578BS	PS028288.D	07 Nov 2024 01:04	AR\AJ	Ok,NR
39	P4694-01	PS028289.D	07 Nov 2024 01:28	AR\AJ	Ok,NR
40	P4694-05	PS028290.D	07 Nov 2024 01:52	AR\AJ	Ok,NR
41	P4578-06MS	PS028291.D	07 Nov 2024 02:16	AR\AJ	Ok,NR
42	P4578-06MSD	PS028292.D	07 Nov 2024 02:40	AR\AJ	Ok,NR
43	P4578-08	PS028293.D	07 Nov 2024 03:04	AR\AJ	Ok,NR
44	PB164559BL	PS028294.D	07 Nov 2024 03:28	AR\AJ	Ok,NR

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory PS110624	HP Acquire Method HP Processing Method ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	PB164559BS	PS028295.D	07 Nov 2024 03:52	AR\AJ	Ok,NR
46	I.BLK	PS028296.D	07 Nov 2024 04:16	AR\AJ	Ok
47	HSTDCCC750	PS028297.D	07 Nov 2024 04:40	AR\AJ	Ok,NR
48	P4601-19	PS028298.D	07 Nov 2024 05:28	AR\AJ	Ok,NR
49	P4601-20	PS028299.D	07 Nov 2024 05:52	AR\AJ	Ok,NR
50	P4601-21	PS028300.D	07 Nov 2024 06:16	AR\AJ	Ok,NR
51	P4601-22	PS028301.D	07 Nov 2024 06:40	AR\AJ	Ok,NR
52	P4601-23	PS028302.D	07 Nov 2024 07:04	AR\AJ	Ok,NR
53	P4601-24	PS028303.D	07 Nov 2024 07:28	AR\AJ	Ok,NR
54	P4601-25	PS028304.D	07 Nov 2024 07:52	AR\AJ	Ok,NR
55	P4601-26	PS028305.D	07 Nov 2024 08:16	AR\AJ	Ok,NR
56	P4601-27	PS028306.D	07 Nov 2024 08:40	AR\AJ	Ok,NR
57	P4601-28	PS028307.D	07 Nov 2024 09:04	AR\AJ	Ok,NR
58	I.BLK	PS028308.D	07 Nov 2024 09:28	AR\AJ	Ok
59	HSTDCCC750	PS028309.D	07 Nov 2024 09:52	AR\AJ	Ok,NR
60	P4660-03	PS028310.D	07 Nov 2024 10:16	AR\AJ	Ok
61	P4660-07	PS028311.D	07 Nov 2024 10:40	AR\AJ	Ok,NR
62	P4660-11	PS028312.D	07 Nov 2024 11:04	AR\AJ	Ok,NR
63	P4660-03MS	PS028313.D	07 Nov 2024 11:28	AR\AJ	Ok,NR
64	P4660-03MSD	PS028314.D	07 Nov 2024 11:52	AR\AJ	Ok,NR
65	PB164752BL	PS028315.D	07 Nov 2024 12:16	AR\AJ	Ok,NR
66	PB164752BS	PS028316.D	07 Nov 2024 12:40	AR\AJ	Ok
67	PB164560TB	PS028317.D	07 Nov 2024 13:04	AR\AJ	Ok,NR

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory PS110624	HP Acquire Method HP Processing Method ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

68	P4368-07	PS028318.D	07 Nov 2024 13:28	AR\AJ	Ok,NR
69	I.BLK	PS028319.D	07 Nov 2024 13:52	AR\AJ	Ok
70	HSTDCCC750	PS028320.D	07 Nov 2024 14:16	AR\AJ	Ok,NR
71	P4601-29	PS028321.D	07 Nov 2024 14:40	AR\AJ	Not Ok
72	P4601-30	PS028322.D	07 Nov 2024 15:05	AR\AJ	Not Ok
73	P4601-31	PS028323.D	07 Nov 2024 15:29	AR\AJ	Not Ok
74	P4601-32	PS028324.D	07 Nov 2024 15:53	AR\AJ	Not Ok
75	P4601-33	PS028325.D	07 Nov 2024 16:17	AR\AJ	Not Ok
76	P4601-34	PS028326.D	07 Nov 2024 16:41	AR\AJ	Not Ok
77	P4601-35	PS028327.D	07 Nov 2024 17:05	AR\AJ	Not Ok
78	P4601-36	PS028328.D	07 Nov 2024 17:29	AR\AJ	Not Ok
79	P4601-37MS	PS028329.D	07 Nov 2024 17:53	AR\AJ	Not Ok
80	P4601-37MSD	PS028330.D	07 Nov 2024 18:17	AR\AJ	Not Ok
81	I.BLK	PS028331.D	07 Nov 2024 18:41	AR\AJ	Not Ok
82	HSTDCCC750	PS028332.D	07 Nov 2024 19:05	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110724

Review By	Review On
Supervise By	Supervise On
SubDirectory PS110724	HP Acquire Method HP Processing Method ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC Internal Standard/PEM	PP23462
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23469

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028333.D	07 Nov 2024 19:53	AR\AJ	Ok
2	I.BLK	PS028334.D	07 Nov 2024 20:17	AR\AJ	Ok
3	HSTDCCC750	PS028335.D	07 Nov 2024 20:41	AR\AJ	Ok,NR
4	P4601-24	PS028336.D	07 Nov 2024 21:29	AR\AJ	Not Ok
5	P4601-25	PS028337.D	07 Nov 2024 21:53	AR\AJ	Not Ok
6	P4601-26	PS028338.D	07 Nov 2024 22:17	AR\AJ	Not Ok
7	P4602-43	PS028339.D	07 Nov 2024 22:41	AR\AJ	Not Ok
8	P4602-44MS	PS028340.D	07 Nov 2024 23:05	AR\AJ	Not Ok
9	P4602-45MSD	PS028341.D	07 Nov 2024 23:29	AR\AJ	Not Ok
10	P4602-40	PS028342.D	07 Nov 2024 23:53	AR\AJ	Not Ok
11	P4602-41MS	PS028343.D	08 Nov 2024 00:17	AR\AJ	Not Ok
12	P4602-42MSD	PS028344.D	08 Nov 2024 00:41	AR\AJ	Confirms
13	PB164393TB	PS028345.D	08 Nov 2024 01:05	AR\AJ	Ok,NR
14	I.BLK	PS028346.D	08 Nov 2024 01:29	AR\AJ	Ok
15	HSTDCCC750	PS028347.D	08 Nov 2024 01:53	AR\AJ	Ok,NR

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory	PS110624
HP Acquire Method	HP Processing Method
	ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028251.D	06 Nov 2024 09:00		AR\AJ	Ok
2	I.BLK	I.BLK	PS028252.D	06 Nov 2024 09:24		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS028253.D	06 Nov 2024 09:48		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS028254.D	06 Nov 2024 10:12		AR\AJ	Ok,NR
5	HSTDICC750	HSTDICC750	PS028255.D	06 Nov 2024 10:36		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS028256.D	06 Nov 2024 11:00		AR\AJ	Ok,NR
7	HSTDICC1500	HSTDICC1500	PS028257.D	06 Nov 2024 11:24		AR\AJ	Ok
8	HSTDICV750	ICVPS110624	PS028258.D	06 Nov 2024 11:48		AR\AJ	Ok,NR
9	I.BLK	I.BLK	PS028259.D	06 Nov 2024 12:14		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS028260.D	06 Nov 2024 12:38		AR\AJ	Ok
11	P4643-09RE	TP-9RE	PS028261.D	06 Nov 2024 13:02	Surrogate fail	AR\AJ	Confirms
12	PB164519BL	PB164519BL	PS028262.D	06 Nov 2024 13:26		AR\AJ	Ok,NR
13	PB164519BS	PB164519BS	PS028263.D	06 Nov 2024 13:50		AR\AJ	Ok
14	PB164393TB	PB164393TB	PS028264.D	06 Nov 2024 14:14	Surrogate Fail	AR\AJ	Not Ok
15	P4578-06	WB-305-BOT	PS028265.D	06 Nov 2024 15:23		AR\AJ	Ok,NR
16	P4682-01	BELL-SHOP-RAGS	PS028266.D	06 Nov 2024 15:50		AR\AJ	Ok,NR
17	P4667-01	BP-F-6	PS028267.D	06 Nov 2024 16:14		AR\AJ	Ok,NR
18	P4667-05	BP-F-5	PS028268.D	06 Nov 2024 16:39		AR\AJ	Ok,NR

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory	PS110624
HP Acquire Method	HP Processing Method
	ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4667-09	BP-F-10	PS028269.D	06 Nov 2024 17:03		AR\AJ	Ok,NR
20	P4667-13	BP-F-7	PS028270.D	06 Nov 2024 17:27		AR\AJ	Ok,NR
21	I.BLK	I.BLK	PS028271.D	06 Nov 2024 17:51		AR\AJ	Ok,NR
22	HSTDCCC750	HSTDCCC750	PS028272.D	06 Nov 2024 18:15		AR\AJ	Ok,NR
23	P4679-01	MH-1	PS028273.D	06 Nov 2024 18:39		AR\AJ	Ok,NR
24	P4680-01	BP-F26	PS028274.D	06 Nov 2024 19:03		AR\AJ	Ok,NR
25	P4680-05	BP-F25	PS028275.D	06 Nov 2024 19:27		AR\AJ	Ok,NR
26	P4695-01	Z-01	PS028276.D	06 Nov 2024 19:51		AR\AJ	Ok,NR
27	P4693-01	BP-G5-WC	PS028277.D	06 Nov 2024 20:15		AR\AJ	Ok,NR
28	P4693-05	BP-G4-WC	PS028278.D	06 Nov 2024 20:39		AR\AJ	Ok,NR
29	P4711-01	CF-613-COMP-16	PS028279.D	06 Nov 2024 21:03		AR\AJ	Ok,NR
30	P4711-06	CF-613-COMP-17	PS028280.D	06 Nov 2024 21:27		AR\AJ	Ok,NR
31	P4719-01	BAYAVE-STOCKPILE	PS028281.D	06 Nov 2024 21:51		AR\AJ	Ok,NR
32	PB164703BL	PB164703BL	PS028282.D	06 Nov 2024 22:15		AR\AJ	Ok,NR
33	I.BLK	I.BLK	PS028283.D	06 Nov 2024 22:39		AR\AJ	Ok,NR
34	HSTDCCC750	HSTDCCC750	PS028284.D	06 Nov 2024 23:03		AR\AJ	Ok,NR
35	PB164703BS	PB164703BS	PS028285.D	06 Nov 2024 23:51		AR\AJ	Ok
36	PB164494BS	PB164494BS	PS028286.D	07 Nov 2024 00:15		AR\AJ	Ok,NR
37	PB164494BSD	PB164494BSD	PS028287.D	07 Nov 2024 00:39		AR\AJ	Ok,NR

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory	PS110624
HP Acquire Method	HP Processing Method
	ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164578BS	PB164578BS	PS028288.D	07 Nov 2024 01:04		AR\AJ	Ok,NR
39	P4694-01	Z-03A	PS028289.D	07 Nov 2024 01:28		AR\AJ	Ok,NR
40	P4694-05	Z-04	PS028290.D	07 Nov 2024 01:52		AR\AJ	Ok,NR
41	P4578-06MS	WB-305-BOTMS	PS028291.D	07 Nov 2024 02:16	Some compound recovery fail	AR\AJ	Ok,NR
42	P4578-06MSD	WB-305-BOTMSD	PS028292.D	07 Nov 2024 02:40	Some compound recovery fail	AR\AJ	Ok,NR
43	P4578-08	WB-305-BOT-1	PS028293.D	07 Nov 2024 03:04		AR\AJ	Ok,NR
44	PB164559BL	PB164559BL	PS028294.D	07 Nov 2024 03:28		AR\AJ	Ok,NR
45	PB164559BS	PB164559BS	PS028295.D	07 Nov 2024 03:52		AR\AJ	Ok,NR
46	I.BLK	I.BLK	PS028296.D	07 Nov 2024 04:16		AR\AJ	Ok
47	HSTDCCC750	HSTDCCC750	PS028297.D	07 Nov 2024 04:40		AR\AJ	Ok,NR
48	P4601-19	C0PI0	PS028298.D	07 Nov 2024 05:28		AR\AJ	Ok,NR
49	P4601-20	C0PI2	PS028299.D	07 Nov 2024 05:52		AR\AJ	Ok,NR
50	P4601-21	C0PI6	PS028300.D	07 Nov 2024 06:16		AR\AJ	Ok,NR
51	P4601-22	C0PI8	PS028301.D	07 Nov 2024 06:40		AR\AJ	Ok,NR
52	P4601-23	C0PI9	PS028302.D	07 Nov 2024 07:04		AR\AJ	Ok,NR
53	P4601-24	CC0P1	PS028303.D	07 Nov 2024 07:28		AR\AJ	Ok,NR
54	P4601-25	CC0P3	PS028304.D	07 Nov 2024 07:52		AR\AJ	Ok,NR
55	P4601-26	CC0P5	PS028305.D	07 Nov 2024 08:16		AR\AJ	Ok,NR
56	P4601-27	CC0P7	PS028306.D	07 Nov 2024 08:40		AR\AJ	Ok,NR

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory	PS110624
HP Acquire Method	HP Processing Method
	ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

57	P4601-28	CC0P9	PS028307.D	07 Nov 2024 09:04		AR\AJ	Ok,NR
58	I.BLK	I.BLK	PS028308.D	07 Nov 2024 09:28		AR\AJ	Ok
59	HSTDCCC750	HSTDCCC750	PS028309.D	07 Nov 2024 09:52		AR\AJ	Ok,NR
60	P4660-03	WC-TA2-01-C	PS028310.D	07 Nov 2024 10:16		AR\AJ	Ok
61	P4660-07	WC-WOOD-01-C	PS028311.D	07 Nov 2024 10:40		AR\AJ	Ok,NR
62	P4660-11	WC-CONCRETE-01-C	PS028312.D	07 Nov 2024 11:04		AR\AJ	Ok,NR
63	P4660-03MS	WC-TA2-01-CMS	PS028313.D	07 Nov 2024 11:28		AR\AJ	Ok,NR
64	P4660-03MSD	WC-TA2-01-CMSD	PS028314.D	07 Nov 2024 11:52		AR\AJ	Ok,NR
65	PB164752BL	PB164752BL	PS028315.D	07 Nov 2024 12:16		AR\AJ	Ok,NR
66	PB164752BS	PB164752BS	PS028316.D	07 Nov 2024 12:40		AR\AJ	Ok
67	PB164560TB	PB164560TB	PS028317.D	07 Nov 2024 13:04		AR\AJ	Ok,NR
68	P4368-07	LOD-MDL-WATER-01-C	PS028318.D	07 Nov 2024 13:28		AR\AJ	Ok,NR
69	I.BLK	I.BLK	PS028319.D	07 Nov 2024 13:52		AR\AJ	Ok
70	HSTDCCC750	HSTDCCC750	PS028320.D	07 Nov 2024 14:16		AR\AJ	Ok,NR
71	P4601-29	CC0Q1	PS028321.D	07 Nov 2024 14:40	Closing CCC Fail	AR\AJ	Not Ok
72	P4601-30	CC0Q6	PS028322.D	07 Nov 2024 15:05	Closing CCC Fail	AR\AJ	Not Ok
73	P4601-31	CC0Q8	PS028323.D	07 Nov 2024 15:29	Closing CCC Fail	AR\AJ	Not Ok
74	P4601-32	CC0R3	PS028324.D	07 Nov 2024 15:53	Closing CCC Fail	AR\AJ	Not Ok
75	P4601-33	CC0R4	PS028325.D	07 Nov 2024 16:17	Closing CCC Fail	AR\AJ	Not Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

Review By	Review On
Supervise By	Supervise On
SubDirectory	PS110624
HP Acquire Method	HP Processing Method
	ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC Internal Standard/PEM	PP23462
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23469

76	P4601-34	CC0R5	PS028326.D	07 Nov 2024 16:41	Closing CCC Fail	AR\AJ	Not Ok
77	P4601-35	CC0R6	PS028327.D	07 Nov 2024 17:05	Closing CCC Fail	AR\AJ	Not Ok
78	P4601-36	CC0R7	PS028328.D	07 Nov 2024 17:29	Closing CCC Fail	AR\AJ	Not Ok
79	P4601-37MS	CC0R7MS	PS028329.D	07 Nov 2024 17:53	Closing CCC Fail	AR\AJ	Not Ok
80	P4601-37MSD	CC0R7MSD	PS028330.D	07 Nov 2024 18:17	Closing CCC Fail	AR\AJ	Not Ok
81	I.BLK	I.BLK	PS028331.D	07 Nov 2024 18:41	Closing CCC Fail	AR\AJ	Not Ok
82	HSTDCCC750	HSTDCCC750	PS028332.D	07 Nov 2024 19:05	CCC Fail	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110724

Review By	Review On
Supervise By	Supervise On
SubDirectory	PS110724
HP Acquire Method	HP Processing Method
	ps110624 8151
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028333.D	07 Nov 2024 19:53		AR\AJ	Ok
2	I.BLK	I.BLK	PS028334.D	07 Nov 2024 20:17		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS028335.D	07 Nov 2024 20:41	CCC low	AR\AJ	Ok,NR
4	P4601-24	CC0P1	PS028336.D	07 Nov 2024 21:29	Opening and closing CCC Fail	AR\AJ	Not Ok
5	P4601-25	CC0P3	PS028337.D	07 Nov 2024 21:53	Opening and closing CCC Fail	AR\AJ	Not Ok
6	P4601-26	CC0P5	PS028338.D	07 Nov 2024 22:17	Opening and closing CCC Fail	AR\AJ	Not Ok
7	P4602-43	CC0R8	PS028339.D	07 Nov 2024 22:41	Opening and closing CCC Fail	AR\AJ	Not Ok
8	P4602-44MS	CC0R8MS	PS028340.D	07 Nov 2024 23:05	Some compound recovery fail	AR\AJ	Not Ok
9	P4602-45MSD	CC0R8MSD	PS028341.D	07 Nov 2024 23:29	Some compound recovery fail	AR\AJ	Not Ok
10	P4602-40	CC0R6	PS028342.D	07 Nov 2024 23:53	Opening and closing CCC Fail	AR\AJ	Not Ok
11	P4602-41MS	CC0R6MS	PS028343.D	08 Nov 2024 00:17	Some compound recovery fail	AR\AJ	Not Ok
12	P4602-42MSD	CC0R6MSD	PS028344.D	08 Nov 2024 00:41	Some compound recovery fail dalpon rpd fail	AR\AJ	Confirms
13	PB164393TB	PB164393TB	PS028345.D	08 Nov 2024 01:05		AR\AJ	Ok,NR
14	I.BLK	I.BLK	PS028346.D	08 Nov 2024 01:29		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS028347.D	08 Nov 2024 01:53	CCC low	AR\AJ	Ok,NR

M : Manual Integration

SOP ID :	M1311-TCLP-15	
SDG No :	N/A	Start Prep Date : 10/25/2024 Time : 17:40
Welgh By :	JP	End Prep Date : 10/26/2024 Time : 10:37
Balance ID :	WC SC-4	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: 23 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pippete ID :	WC	TCLP Technician Signature : JP
Tumbler ID :	T-1 / T-2	Supervisor By : 12
TCLP Filter ID :	114771	

Standardized Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Tumbler T-1 / T-2 CHECKED,30 RPM. Particle size reduction is not required. p4578-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/26/24 11:45	JP 1st Room	JP 1st Room
	Preparation Group	Analysis Group

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4452-03	ETGI-285	01	100.03	2000	N/A	N/A	N/A	11.0	1.5	T-1
P4545-02	VNJ-215	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4547-04	BP-F-21	03	100.01	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4547-08	BP-F-20	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4561-04	BP-F-19	05	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4561-08	BP-F-18	06	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4567-04	WC-1	07	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4567-08	WC-2	08	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4567-12	WC-3	09	100.04	2000	N/A	N/A	N/A	7.6	1.5	T-1
P4574-03	GRAVEL-1	10	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4574-06	GRAVEL-2	11	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
P4574-08	CONCRETE-1	12	100.02	2000	N/A	N/A	N/A	10.5	1.0	T-2
P4574-10	CONCRETE-2	13	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
P4574-12	CONCRETE-3	14	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-2
P4578-06	WB-305-BOT	15	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4578-08	WB-305-BOT-1	16	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
PB164393TB	LEB393	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4452-03	ETGI-285	N/A	N/A	N/A	N/A	100	N/A
P4545-02	VNJ-215	N/A	N/A	N/A	N/A	100	N/A
P4547-04	BP-F-21	N/A	N/A	N/A	N/A	100	N/A
P4547-08	BP-F-20	N/A	N/A	N/A	N/A	100	N/A
P4561-04	BP-F-19	N/A	N/A	N/A	N/A	100	N/A
P4561-08	BP-F-18	N/A	N/A	N/A	N/A	100	N/A
P4567-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
P4567-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
P4567-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
P4574-03	GRAVEL-1	N/A	N/A	N/A	N/A	100	N/A
P4574-06	GRAVEL-2	N/A	N/A	N/A	N/A	100	N/A
P4574-08	CONCRETE-1	N/A	N/A	N/A	N/A	100	N/A
P4574-10	CONCRETE-2	N/A	N/A	N/A	N/A	100	N/A
P4574-12	CONCRETE-3	N/A	N/A	N/A	N/A	100	N/A
P4578-06	WB-305-BOT	N/A	N/A	N/A	N/A	100	N/A
P4578-08	WB-305-BOT-1	N/A	N/A	N/A	N/A	100	N/A
PB164393TB	LEB393	N/A	N/A	N/A	N/A	N/A	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4452-03	ETGI-285	5.02	96.5	11.0	4.0	#1	4.93
P4545-02	VNJ-215	5.02	96.5	7.6	2.5	#1	4.93
P4547-04	BP-F-21	5.00	96.5	6.2	2.0	#1	4.93
P4547-08	BP-F-20	5.03	96.5	8.2	3.0	#1	4.93
P4561-04	BP-F-19	5.02	96.5	7.6	2.5	#1	4.93
P4561-08	BP-F-18	5.02	96.5	7.0	2.5	#1	4.93
P4567-04	WC-1	5.03	96.5	9.1	4.0	#1	4.93
P4567-08	WC-2	5.02	96.5	9.5	4.0	#1	4.93
P4567-12	WC-3	5.02	96.5	7.2	3.0	#1	4.93
P4574-03	GRAVEL-1	5.02	96.5	6.0	2.0	#1	4.93
P4574-06	GRAVEL-2	5.03	96.5	5.6	1.5	#1	4.93
P4574-08	CONCRETE-1	5.02	96.5	11.0	4.0	#1	4.93
P4574-10	CONCRETE-2	5.03	96.5	11.0	4.0	#1	4.93
P4574-12	CONCRETE-3	5.02	96.5	11.5	4.5	#1	4.93
P4578-06	WB-305-BOT	5.03	96.5	7.6	2.5	#1	4.93
P4578-08	WB-305-BOT-1	5.02	96.5	8.2	3.0	#1	4.93
PB164393TB	LEB393	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip p4545

WorkList ID : 184760

Department : TCLP Extraction

Date : 10-25-2024 07:58:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4452-03	ETGI-285	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4545-02	VNJ-215	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/24/2024	1311
P4547-04	BP-F-21	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/24/2024	1311
P4547-08	BP-F-20	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/24/2024	1311
P4561-04	BP-F-19	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4561-08	BP-F-18	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4567-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4567-08	WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4567-12	WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K61	10/25/2024	1311
P4574-03	GRAVEL-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-06	GRAVEL-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-08	CONCRETE-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-10	CONCRETE-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4574-12	CONCRETE-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K63	10/25/2024	1311
P4578-06	WB-305-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K63	10/25/2024	1311
P4578-08	WB-305-BOT-1	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K63	10/25/2024	1311

Date/Time 10/25/24 17:25
 Raw Sample Received by: SO WOC
 Raw Sample Relinquished by: J.C (sm)

Date/Time 10/23/24 19:30
 Raw Sample Received by: J.C (sm)
 Raw Sample Relinquished by: SO WOC

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Extraction Start Date : 10/28/2024

Matrix : Water

Extraction Start Time : 08:45

Weigh By: RJ

Extraction By: RJ

Extraction End Date : 10/28/2024

Balance check: RJ

Filter By: RJ

Extraction End Time : 16:30

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : rajesh

Extraction Method: ☒ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP23699
Surrogate	1.0ML	5000 PPB	PP23907
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
Ether	N/A	E3370
Acidified Na2SO4	N/A	EP2503
NAOH 6N	N/A	EP2553
NACL	N/A	M4459
METHANOL	N/A	V14150
ISO OCTANE	N/A	E3554
Diazomethane	N/A	E3P2529
Hexane	N/A	EP3819
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:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS721.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/24	RP (Ext Lab)	R. Patel / PCB Lab
16:35	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 10/29/2024

Sample ID	Client Sample ID	Test	g / ml	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164393TB	PB164393TB	TCLP Herbicide	100	6	ritesh	Niha	10			
PB164519BL	HBLK519	TCLP Herbicide	1000	6	ritesh	Niha	10			
PB164519BS	HLC5519	TCLP Herbicide	1000	6	ritesh	Niha	10			
P4578-06	WB-305-BOT	TCLP Herbicide	100	6	ritesh	Niha	10	A		
P4578-06MS	WB-305-BOTMS	TCLP Herbicide	100	6	ritesh	Niha	10	A		
P4578-06MS D	WB-305-BOTMSD	TCLP Herbicide	100	6	ritesh	Niha	10	A		
P4578-08	WB-305-BOT-1	TCLP Herbicide	100	6	ritesh	Niha	10	A		

* Extracts relinquished on the same date as received.

[Signature]
10/29/24

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4452-03	ETGI-285	01	100.03	2000	N/A	N/A	N/A	11.0	1.5	T-1
P4545-02	VNJ-215	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4547-04	BP-F-21	03	100.01	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4547-08	BP-F-20	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4561-04	BP-F-19	05	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4561-08	BP-F-18	06	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4567-04	WC-1	07	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4567-08	WC-2	08	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4567-12	WC-3	09	100.04	2000	N/A	N/A	N/A	7.6	1.5	T-1
P4574-03	GRAVEL-1	10	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P4574-06	GRAVEL-2	11	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
P4574-08	CONCRETE-1	12	100.02	2000	N/A	N/A	N/A	10.5	1.0	T-2
P4574-10	CONCRETE-2	13	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
P4574-12	CONCRETE-3	14	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-2
P4578-06	WB-305-BOT	15	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-2
P4578-08	WB-305-BOT-1	16	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
PB164393TB	LEB393	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

10/26/2024
11:50

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			10/25/24
			PCB	8082A		10/29/24	10/29/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4578-02	WB-305-SW-1	WATER			10/25/24			10/25/24
			PCB	8082A		10/29/24	10/29/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4578-03	WB-305-TOP	SOIL			10/25/24			10/25/24
			PCB	8082A		10/28/24	10/29/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4578-04	WB-305-TOP-1	SOIL			10/25/24			10/25/24
			PCB	8082A		10/28/24	10/29/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4578-05	WB-305-BOT	SOIL			10/25/24			10/25/24
			PCB	8082A		10/28/24	10/29/24	
			EPH	NJEPH		10/30/24	10/30/24	
P4578-06	WB-305-BOT	TCLP			10/25/24			10/25/24
			TCLP Herbicide	8151A		10/28/24	11/06/24	
			TCLP Pesticide	8081B		10/26/24	10/29/24	
P4578-07	WB-305-BOT-1	SOIL			10/25/24			10/25/24
			PCB	8082A		10/28/24	10/29/24	
			EPH	NJEPH		10/30/24	10/30/24	
			EPH	NJEPH		10/30/24	10/31/24	
P4578-08	WB-305-BOT-1	TCLP			10/25/24			10/25/24

LAB CHRONICLE

TCLP Herbicide	8151A	10/28/24	11/07/24
TCLP Pesticide	8081B	10/26/24	10/29/24