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Hit Summary Sheet
SW-846

SDG No.:	P4460				Order ID:	P4460			
Client:	Portal Partners Tri-Venture				Project ID:	Amtrak Sawtooth Bridges 2024			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units	
Client ID :									
Total Concentration:				0.000					



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	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 :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028052.D	1	10/24/24 11:28	10/25/24 16:49	PB164378

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	454		70 (39) - 130 (175)	91%	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:	10/24/24	
Client Sample ID:	PB164261TB		SDG No.:	P4460	
Lab Sample ID:	PB164261TB		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
PS028073.D	1	10/24/24 11:28	10/28/24 13:11	PB164378

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	349		70 (39) - 130 (175)	70%	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

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D = Dilution

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() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **P4460**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS028007.D	PIBLK-PS028007.D	2,4-DCAA	1	500	489	98		70 (39)	130 (175)
		2,4-DCAA	2	500	461	92		70 (39)	130 (175)
I.BLK-PS028035.D	PIBLK-PS028035.D	2,4-DCAA	1	500	508	102		70 (39)	130 (175)
		2,4-DCAA	2	500	489	98		70 (39)	130 (175)
PB164378BL	PB164378BL	2,4-DCAA	1	500	510	102		70 (39)	130 (175)
		2,4-DCAA	2	500	516	103		70 (39)	130 (175)
PB164378BS	PB164378BS	2,4-DCAA	1	500	506	101		70 (39)	130 (175)
		2,4-DCAA	2	500	542	108		70 (39)	130 (175)
P4397-06MS	WB-301-BOTMS	2,4-DCAA	1	500	138	28	*	70 (39)	130 (175)
		2,4-DCAA	2	500	114	23	*	70 (39)	130 (175)
P4397-06MSD	WB-301-BOTMSD	2,4-DCAA	1	500	142	28	*	70 (39)	130 (175)
		2,4-DCAA	2	500	111	22	*	70 (39)	130 (175)
I.BLK-PS028046.D	PIBLK-PS028046.D	2,4-DCAA	1	500	506	101		70 (39)	130 (175)
		2,4-DCAA	2	500	479	96		70 (39)	130 (175)
I.BLK-PS028049.D	PIBLK-PS028049.D	2,4-DCAA	1	500	515	103		70 (39)	130 (175)
		2,4-DCAA	2	500	430	86		70 (39)	130 (175)
P4460-04	WB-303-BOT	2,4-DCAA	1	500	454	91		70 (39)	130 (175)
		2,4-DCAA	2	500	401	80		70 (39)	130 (175)
I.BLK-PS028055.D	PIBLK-PS028055.D	2,4-DCAA	1	500	521	104		70 (39)	130 (175)
		2,4-DCAA	2	500	490	98		70 (39)	130 (175)
I.BLK-PS028071.D	PIBLK-PS028071.D	2,4-DCAA	1	500	501	100		70 (39)	130 (175)
		2,4-DCAA	2	500	483	97		70 (39)	130 (175)
PB164261TB	PB164261TB	2,4-DCAA	1	500	349	70		70 (39)	130 (175)
		2,4-DCAA	2	500	285	57	*	70 (39)	130 (175)
I.BLK-PS028075.D	PIBLK-PS028075.D	2,4-DCAA	1	500	508	102		70 (39)	130 (175)
		2,4-DCAA	2	500	418	84		70 (39)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

DataFile : PS028042.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WB-301-BOTMS											
P4397-06MS	2,4-D	50	0	55.2	ug/L	110				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	106	ug/L	212	*			70 (62)	130 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

DataFile : PS028043.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4397-06MSD	WB-301-BOTMSD											
	2,4-D	50	0	56.6	ug/L	113		3		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	113	ug/L	226	*	6		70 (62)	130 (139)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8151A **Datafile :** PS028038.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164378BS	2,4-D	5	5.00	ug/L	100				70 (83)	130 (130)		
	2,4,5-TP(Silvex)	5	5.40	ug/L	108				70 (78)	130 (127)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164378BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4460

SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164378BL

Lab File ID: PS028037.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/24/2024

Date Analyzed (1): 10/24/2024

Date Analyzed (2): 10/24/2024

Time Analyzed (1): 17:09

Time Analyzed (2): 17:09

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
PB164378BS	PB164378BS	PS028038.D	10/24/2024	10/24/2024
WB-301-BOTMS	P4397-06MS	PS028042.D	10/24/2024	10/24/2024
WB-301-BOTMSD	P4397-06MSD	PS028043.D	10/24/2024	10/24/2024
WB-303-BOT	P4460-04	PS028052.D	10/25/2024	10/25/2024
PB164261TB	PB164261TB	PS028073.D	10/28/2024	10/28/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164378BL		SDG No.:	P4460	
Lab Sample ID:	PB164378BL		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
PS028037.D	1	10/24/24 11:28	10/24/24 17:09	PB164378

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	516		70 (39) - 130 (175)	103%	SPK: 500

Comments:

U = Not Detected

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/23/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/23/24
Client Sample ID:	PIBLK-PS028007.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028007.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
PS028007.D	1		10/23/24	PS102324

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	489		70 (39) - 130 (175)	98%	SPK: 500

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/24/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/24/24
Client Sample ID:	PIBLK-PS028035.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028035.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
PS028035.D	1		10/24/24	PS102424

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	508		70 (39) - 130 (175)	102%	SPK: 500

Comments:

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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:	10/24/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/24/24
Client Sample ID:	PIBLK-PS028046.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028046.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
PS028046.D	1		10/24/24	PS102424

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

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:	PIBLK-PS028049.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028049.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
PS028049.D	1		10/25/24	PS102524

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	515		70 (39) - 130 (175)	103%	SPK: 500

Comments:

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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:	PIBLK-PS028055.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028055.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
PS028055.D	1		10/25/24	PS102524

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	521		70 (39) - 130 (175)	104%	SPK: 500

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/28/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/28/24
Client Sample ID:	PIBLK-PS028071.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028071.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
PS028071.D	1		10/28/24	PS102824

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	501		70 (39) - 130 (175)	100%	SPK: 500

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/28/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/28/24
Client Sample ID:	PIBLK-PS028075.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028075.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
PS028075.D	1		10/28/24	PS102824

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	508		70 (39) - 130 (175)	102%	SPK: 500

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164378BS		SDG No.:	P4460	
Lab Sample ID:	PB164378BS		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
PS028038.D	1	10/24/24 11:28	10/24/24 17:33	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.00		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.40		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	542		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:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4397-06MS	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
PS028042.D	1	10/24/24 11:28	10/24/24 19:09	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	55.2		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	106	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	138	*	70 (39) - 130 (175)	28%	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:	10/10/24	
Project:	Amtrak Sawtooth Bridges 2024		Date Received:	10/11/24	
Client Sample ID:	WB-301-BOTMSD		SDG No.:	P4460	
Lab Sample ID:	P4397-06MSD		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 :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028043.D	1	10/24/24 11:28	10/24/24 19:32	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	56.6		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	113	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	142	*	70 (39) - 130 (175)	28%	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

A
B
C
D
E
F
G
H
I
J
K
L

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Instrument ID: ECD_S Calibration Date(s): 10/23/2024 10/23/2024

Calibration Times: 11:28 13:04

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

LAB FILE ID:	RT 200 = <u>PS028008.D</u>	RT 500 = <u>PS028009.D</u>
	RT 750 = <u>PS028010.D</u>	RT 1000 = <u>PS028011.D</u>
		RT 1500 = <u>PS028012.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.73	9.73	9.73	9.73	9.72	9.73	9.63	9.83
2,4-D	8.84	8.84	8.84	8.84	8.84	8.84	8.74	8.94
2,4-DCAA	7.61	7.62	7.61	7.62	7.61	7.61	7.51	7.71

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_S **Calibration Date(s):** 10/23/2024 10/23/2024
Calibration Times: 11:28 13:04

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

LAB FILE ID: CF 200 = <u>PS028008.D</u>CF 500 = <u>PS028009.D</u>CF 750 = <u>PS028010.D</u>CF 1000 = <u>PS028011.D</u>CF 1500 = <u>PS028012.D</u>							
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	19584000000	16293000000	15358800000	15287500000	14230600000	16150800000	13
2,4-D	4140980000	3388880000	3183890000	3192570000	3036110000	3388490000	13
2,4-DCAA	3343560000	2711910000	2549070000	2475610000	2404680000	2696970000	14

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_S **Calibration Date(s):** 10/23/2024 10/23/2024
Calibration Times: 11:28 13:04

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

LAB FILE ID:		CF 200 = <u>PS028008.D</u>		CF 500 = <u>PS028009.D</u>			
CF 750 = <u>PS028010.D</u>		CF 1000 = <u>PS028011.D</u>		CF 1500 = <u>PS028012.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	4575720000	4585960000	4376840000	4595510000	4689140000	4564630000	3
2,4-D	1125240000	990045000	959343000	966564000	944531000	997145000	7
2,4-DCAA	1149150000	929743000	912345000	889645000	862510000	948678000	12

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 11:25 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 11:25 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.84	8.84	8.74	8.94	0.00
2,4,5-TP(Silvex)	9.73	9.73	9.63	9.83	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL01 Date Analyzed: 10/24/2024

Lab Sample No.: HSTDCCC750 Data File : PS028036.D Time Analyzed: 11:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.028	8.929	9.129	684.860	712.500	-3.9
2,4-D	8.176	8.077	8.277	665.580	705.000	-5.6
2,4-DCAA	7.091	6.991	7.191	709.960	750.000	-5.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL01 Date Analyzed: 10/24/2024

Lab Sample No.: HSTDCCC750 Data File : PS028036.D Time Analyzed: 11:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.725	9.625	9.825	736.810	712.500	3.4
2,4-D	8.835	8.737	8.937	709.890	705.000	0.7
2,4-DCAA	7.613	7.514	7.714	733.180	750.000	-2.2

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/24/2024 Initial Calibration Date(s): 10/23/2024 10/23/2024

Continuing Calib Time: 21:08 Initial Calibration Time(s): 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 21:08 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.83	8.84	8.74	8.94	0.01
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL02 Date Analyzed: 10/24/2024

Lab Sample No.: HSTDCCC750 Data File : PS028047.D Time Analyzed: 21:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.027	8.929	9.129	693.140	712.500	-2.7
2,4-D	8.176	8.077	8.277	681.790	705.000	-3.3
2,4-DCAA	7.090	6.991	7.191	722.190	750.000	-3.7

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL02 Date Analyzed: 10/24/2024

Lab Sample No.: HSTDCCC750 Data File : PS028047.D Time Analyzed: 21:08

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.723	9.625	9.825	791.420	712.500	11.1
2,4-D	8.833	8.737	8.937	737.820	705.000	4.7
2,4-DCAA	7.612	7.514	7.714	784.260	750.000	4.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/23/2024 10/23/2024

Continuing Calib Time: 12:32 Initial Calibration Time(s): 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 12:32 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.84	8.84	8.74	8.94	0.00
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL03 Date Analyzed: 10/25/2024

Lab Sample No.: HSTDCCC750 Data File : PS028050.D Time Analyzed: 12:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.029	8.929	9.129	702.550	712.500	-1.4
2,4-D	8.177	8.077	8.277	696.610	705.000	-1.2
2,4-DCAA	7.091	6.991	7.191	734.600	750.000	-2.1

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL03 Date Analyzed: 10/25/2024

Lab Sample No.: HSTDCCC750 Data File : PS028050.D Time Analyzed: 12:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.722	9.625	9.825	670.830	712.500	-5.8
2,4-D	8.835	8.737	8.937	632.170	705.000	-10.3
2,4-DCAA	7.610	7.514	7.714	719.220	750.000	-4.1

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 18:28 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 18:28 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.83	8.84	8.74	8.94	0.01
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL04 Date Analyzed: 10/25/2024

Lab Sample No.: HSTDCCC750 Data File : PS028056.D Time Analyzed: 18:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.029	8.929	9.129	713.180	712.500	0.1
2,4-D	8.176	8.077	8.277	698.470	705.000	-0.9
2,4-DCAA	7.090	6.991	7.191	745.250	750.000	-0.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL04 Date Analyzed: 10/25/2024

Lab Sample No.: HSTDCCC750 Data File : PS028056.D Time Analyzed: 18:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.722	9.625	9.825	812.130	712.500	14.0
2,4-D	8.833	8.737	8.937	721.570	705.000	2.4
2,4-DCAA	7.611	7.514	7.714	745.670	750.000	-0.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 10:32 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.17	8.18	8.08	8.28	0.01
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 10:32 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.83	8.84	8.74	8.94	0.01
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL05 Date Analyzed: 10/28/2024

Lab Sample No.: HSTDCCC750 Data File : PS028072.D Time Analyzed: 10:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.025	8.929	9.129	699.070	712.500	-1.9
2,4-D	8.173	8.077	8.277	675.860	705.000	-4.1
2,4-DCAA	7.088	6.991	7.191	727.270	750.000	-3.0

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL05 Date Analyzed: 10/28/2024

Lab Sample No.: HSTDCCC750 Data File : PS028072.D Time Analyzed: 10:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.719	9.625	9.825	764.520	712.500	7.3
2,4-D	8.832	8.737	8.937	690.400	705.000	-2.1
2,4-DCAA	7.609	7.514	7.714	754.150	750.000	0.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 17:17 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 17:17 **Initial Calibration Time(s):** 11:28 13:04

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.83	8.84	8.74	8.94	0.01
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL06 Date Analyzed: 10/28/2024

Lab Sample No.: HSTDCCC750 Data File : PS028076.D Time Analyzed: 17:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.029	8.929	9.129	715.650	712.500	0.4
2,4-D	8.176	8.077	8.277	699.590	705.000	-0.8
2,4-DCAA	7.090	6.991	7.191	733.900	750.000	-2.1

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/23/2024 10/23/2024

Client Sample No.: CCAL06 Date Analyzed: 10/28/2024

Lab Sample No.: HSTDCCC750 Data File : PS028076.D Time Analyzed: 17:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.719	9.625	9.825	743.740	712.500	4.4
2,4-D	8.829	8.737	8.937	729.960	705.000	3.5
2,4-DCAA	7.606	7.514	7.714	729.190	750.000	-2.8

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 10/23/2024 10/23/2024

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	10/23/2024	11:04	PS028007.D	7.09	0.00
HSTDICC200	HSTDICC200	10/23/2024	11:28	PS028008.D	7.09	0.00
HSTDICC500	HSTDICC500	10/23/2024	11:52	PS028009.D	7.09	0.00
HSTDICC750	HSTDICC750	10/23/2024	12:16	PS028010.D	7.09	0.00
HSTDICC1000	HSTDICC1000	10/23/2024	12:40	PS028011.D	7.09	0.00
HSTDICC1500	HSTDICC1500	10/23/2024	13:04	PS028012.D	7.09	0.00
IBLK	IBLK	10/24/2024	11:01	PS028035.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/24/2024	11:25	PS028036.D	7.09	0.00
PB164378BL	PB164378BL	10/24/2024	17:09	PS028037.D	7.09	0.00
PB164378BS	PB164378BS	10/24/2024	17:33	PS028038.D	7.09	0.00
WB-301-BOTMS	P4397-06MS	10/24/2024	19:09	PS028042.D	7.09	0.00
WB-301-BOTMSD	P4397-06MSD	10/24/2024	19:32	PS028043.D	7.09	0.00
IBLK	IBLK	10/24/2024	20:44	PS028046.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/24/2024	21:08	PS028047.D	7.09	0.00
IBLK	IBLK	10/25/2024	11:42	PS028049.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/25/2024	12:32	PS028050.D	7.09	0.00
WB-303-BOT	P4460-04	10/25/2024	16:49	PS028052.D	7.09	0.00
IBLK	IBLK	10/25/2024	18:05	PS028055.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/25/2024	18:28	PS028056.D	7.09	0.00
IBLK	IBLK	10/28/2024	10:08	PS028071.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/28/2024	10:32	PS028072.D	7.09	0.00
PB164261TB	PB164261TB	10/28/2024	13:11	PS028073.D	7.09	0.00
IBLK	IBLK	10/28/2024	13:59	PS028075.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/28/2024	17:17	PS028076.D	7.09	0.00

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/23/2024 10/23/2024

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	10/23/2024	11:04	PS028007.D	7.62	0.00
HSTDICC200	HSTDICC200	10/23/2024	11:28	PS028008.D	7.61	0.00
HSTDICC500	HSTDICC500	10/23/2024	11:52	PS028009.D	7.62	0.00
HSTDICC750	HSTDICC750	10/23/2024	12:16	PS028010.D	7.61	0.00
HSTDICC1000	HSTDICC1000	10/23/2024	12:40	PS028011.D	7.62	0.00
HSTDICC1500	HSTDICC1500	10/23/2024	13:04	PS028012.D	7.61	0.00
IBLK	IBLK	10/24/2024	11:01	PS028035.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/24/2024	11:25	PS028036.D	7.61	0.00
PB164378BL	PB164378BL	10/24/2024	17:09	PS028037.D	7.61	0.00
PB164378BS	PB164378BS	10/24/2024	17:33	PS028038.D	7.61	0.00
WB-301-BOTMS	P4397-06MS	10/24/2024	19:09	PS028042.D	7.61	0.00
WB-301-BOTMSD	P4397-06MSD	10/24/2024	19:32	PS028043.D	7.61	0.00
IBLK	IBLK	10/24/2024	20:44	PS028046.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/24/2024	21:08	PS028047.D	7.61	0.00
IBLK	IBLK	10/25/2024	11:42	PS028049.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/25/2024	12:32	PS028050.D	7.61	0.00
WB-303-BOT	P4460-04	10/25/2024	16:49	PS028052.D	7.61	0.00
IBLK	IBLK	10/25/2024	18:05	PS028055.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/25/2024	18:28	PS028056.D	7.61	0.00
IBLK	IBLK	10/28/2024	10:08	PS028071.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/28/2024	10:32	PS028072.D	7.61	0.00
PB164261TB	PB164261TB	10/28/2024	13:11	PS028073.D	7.61	0.00
IBLK	IBLK	10/28/2024	13:59	PS028075.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/28/2024	17:17	PS028076.D	7.61	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164378BS

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164378BS Date(s) Analyzed: 10/24/2024 10/24/2024

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		
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	4.90	9.7
	2	9.72	9.67	9.77	5.40	
2,4-D	1	8.18	8.13	8.23	4.90	2
	2	8.84	8.79	8.89	5.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-301-BOTMS

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: P4397-06MS Date(s) Analyzed: 10/24/2024 10/24/2024

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		
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	47.3	76.6
	2	9.73	9.68	9.78	106	
2,4-D	1	8.18	8.13	8.23	49.0	11.9
	2	8.84	8.79	8.89	55.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-301-BOTMSD

Contract: PORT06

Lab Code: CHEM

Case No.: P4460

SAS No.: P4460

SDG NO.: P4460

Lab Sample ID: P4397-06MSD

Date(s) Analyzed: 10/24/2024

10/24/2024

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	8.18	8.13	8.23	49.2	14
	2	8.83	8.78	8.88	56.6	
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	47.5	81.6
	2	9.73	9.68	9.78	113	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102524\
Data File : PS028052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 16:49
Operator : AR\AJ
Sample : P4460-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WB-303-BOT

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 18:11:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	7.090	7.612	1225.1E6	380.2E6	454.257m	400.807

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102524\
Data File : PS028052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 16:49
Operator : AR\AJ
Sample : P4460-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

WB-303-BOT

Manual Integrations

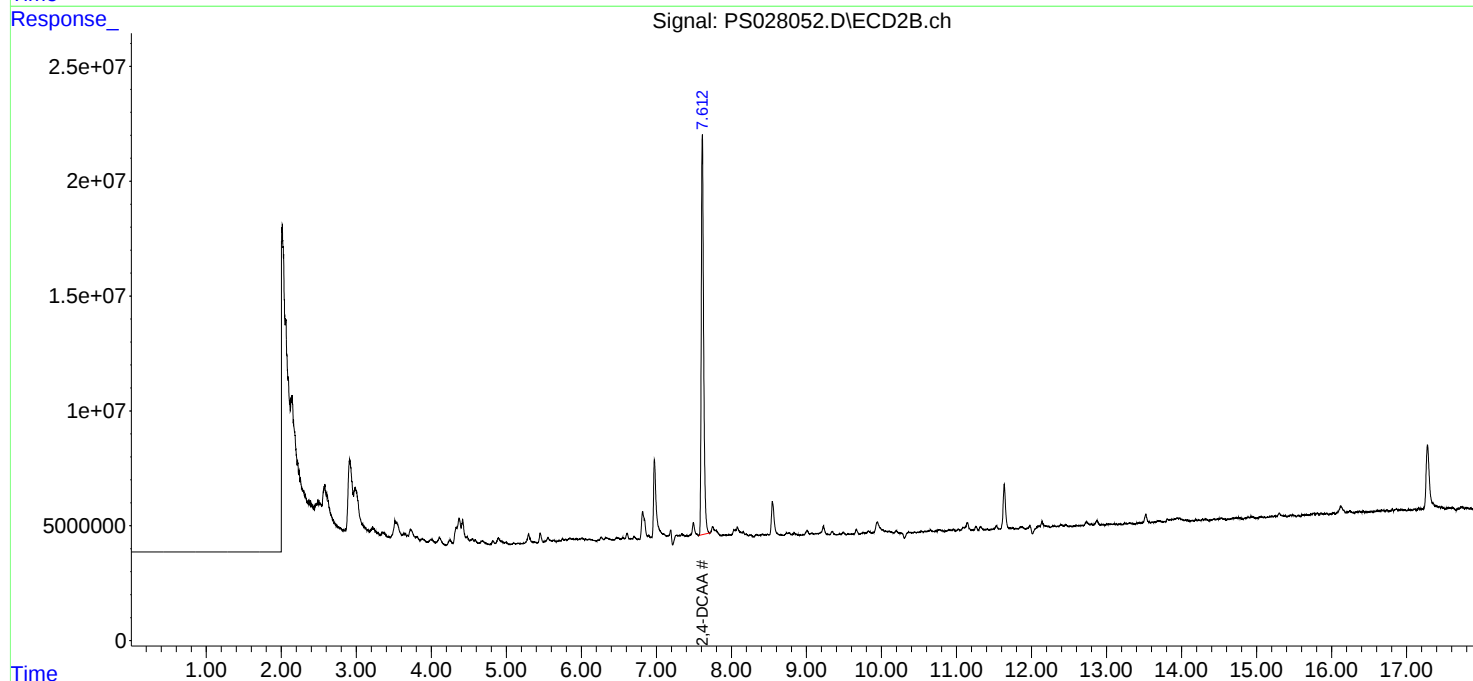
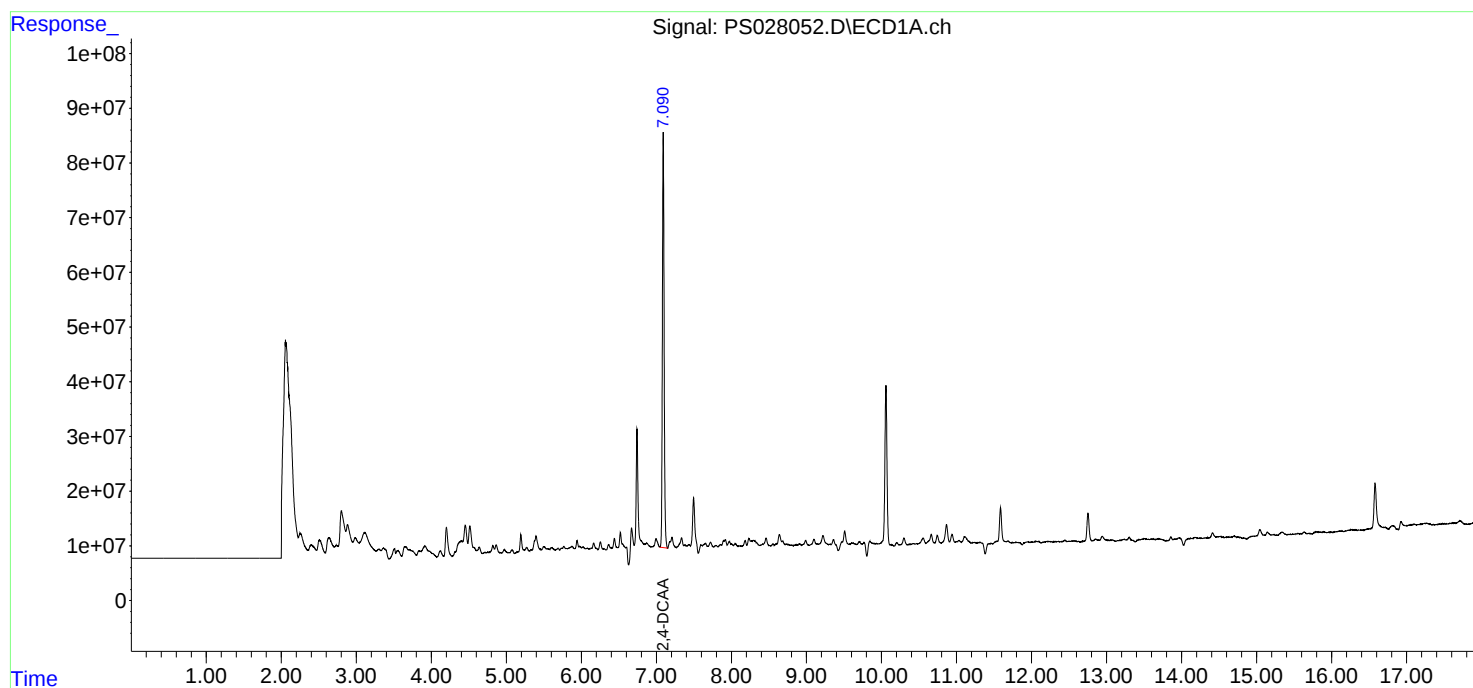
APPROVED

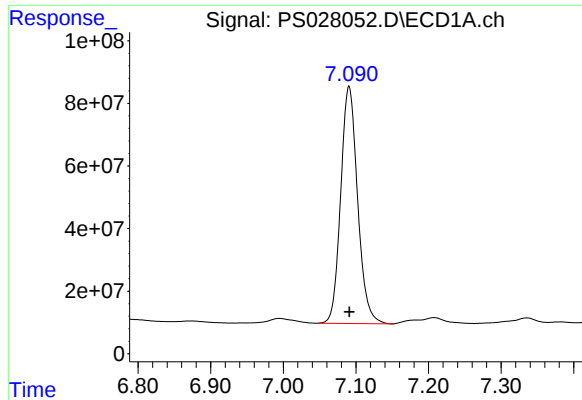
Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 18:11:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#4 2,4-DCAA

R.T.: 7.090 min
Delta R.T.: -0.001 min
Response: 1225114806
Conc: 454.26 ng/ml

Instrument :

ECD_S

ClientSampleId :

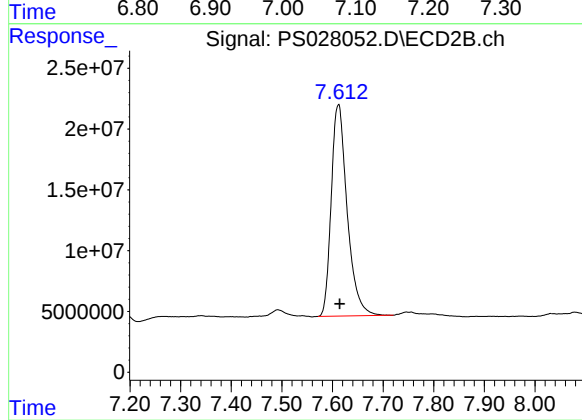
WB-303-BOT

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2024

Supervised By :Ankita Jodhani 10/28/2024



#4 2,4-DCAA

R.T.: 7.612 min
Delta R.T.: -0.002 min
Response: 380236727
Conc: 400.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102824\
 Data File : PS028073.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2024 13:11
 Operator : AR\AJ
 Sample : PB164261TB
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB164261TB

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/29/2024

Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 29 00:23:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
 Quant Title : 8080.M
 QLast Update : Wed Oct 23 13:25:49 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

4) S	2,4-DCAA	7.089	7.606	942.5E6	270.6E6	349.479m	285.201
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Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102824\
Data File : PS028073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:11
Operator : AR\AJ
Sample : PB164261TB
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB164261TB

Manual Integrations

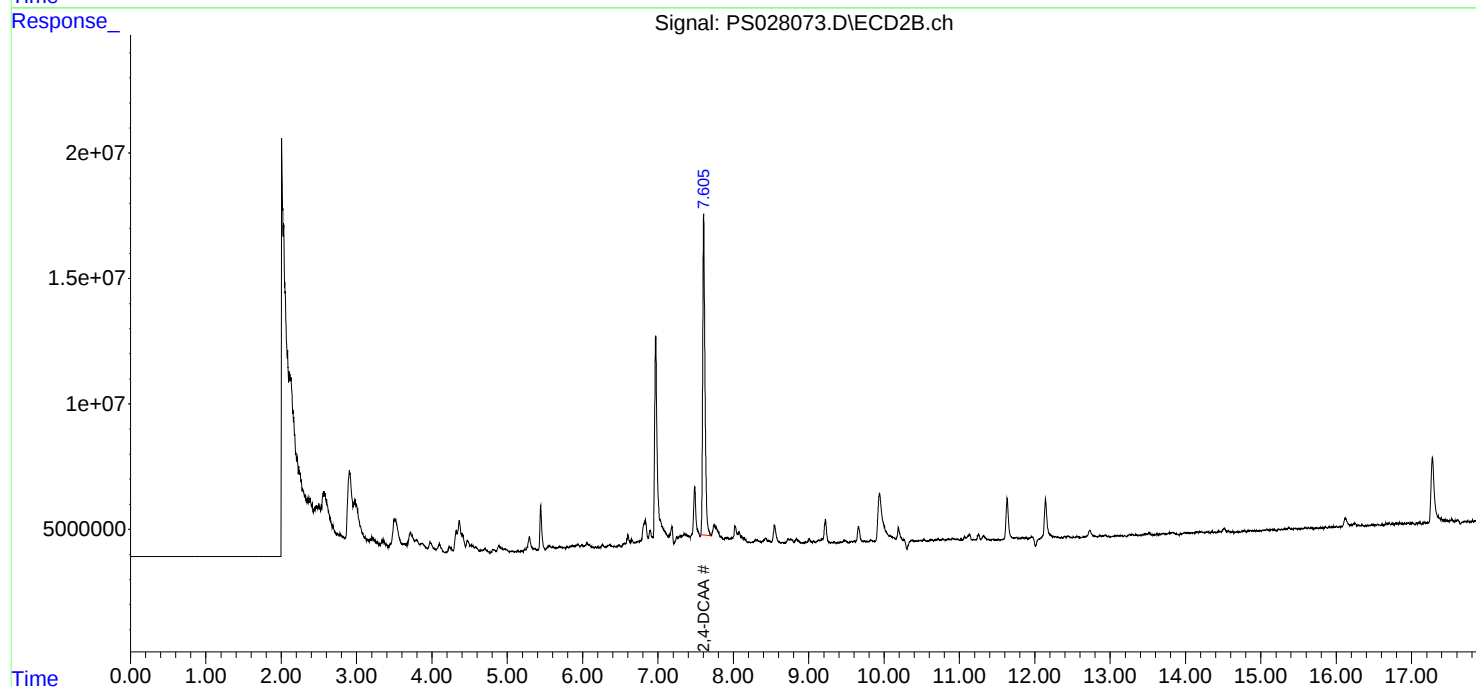
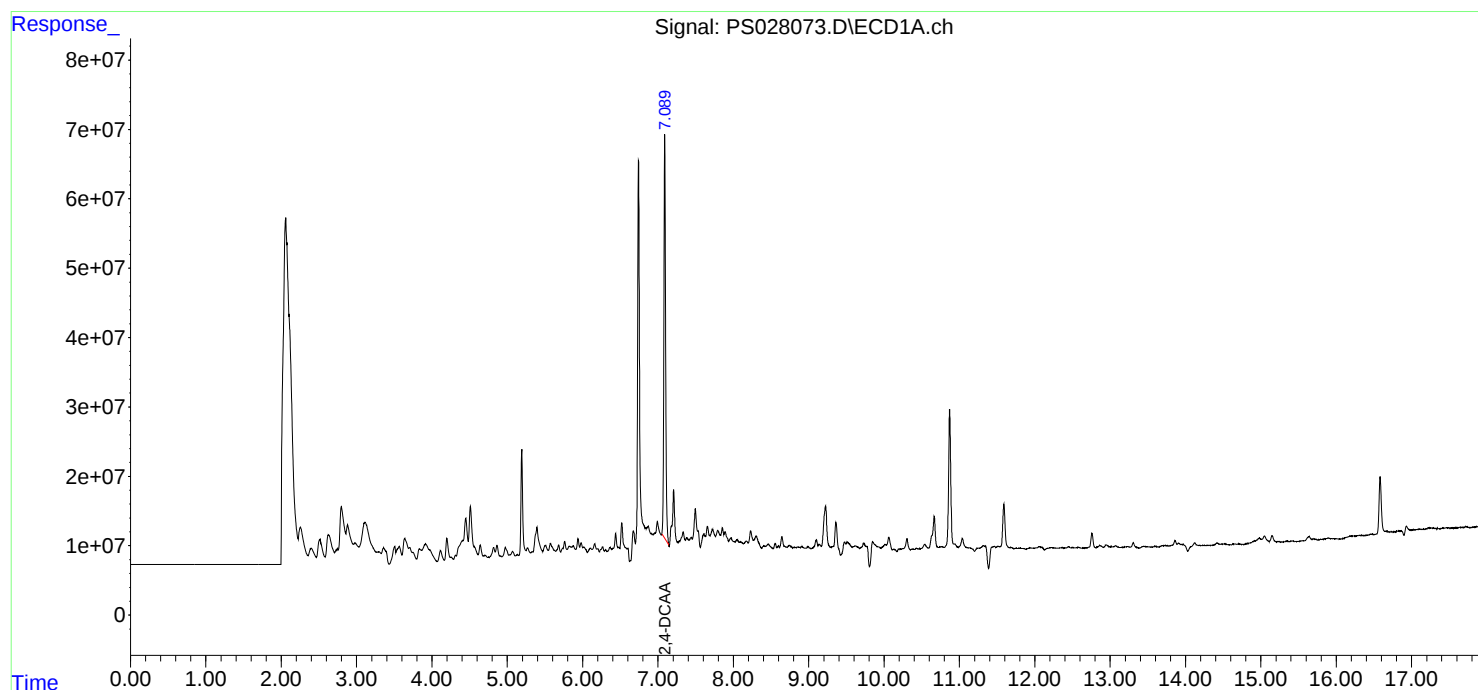
APPROVED

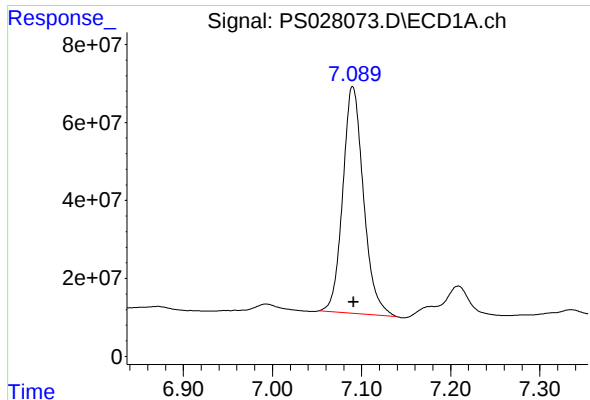
Reviewed By :Abdul Mirza 10/29/2024

Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 00:23:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





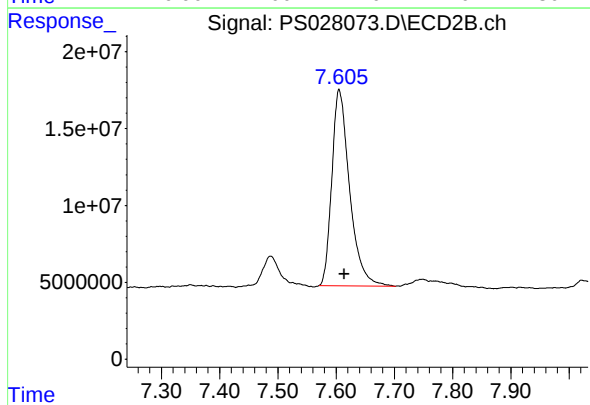
#4 2,4-DCAA

R.T.: 7.089 min
Delta R.T.: -0.002 min
Response: 942532239
Conc: 349.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164261TB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



#4 2,4-DCAA

R.T.: 7.606 min
Delta R.T.: -0.009 min
Response: 270563667
Conc: 285.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
 Data File : PS028037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2024 17:09
 Operator : AR\AJ
 Sample : PB164378BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB164378BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
 Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 02:41:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
 Quant Title : 8080.M
 QLast Update : Wed Oct 23 13:25:49 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

4) S	2,4-DCAA	7.093	7.609	1374.5E6	489.7E6	509.646m	516.148
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Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 17:09
Operator : AR\AJ
Sample : PB164378BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB164378BL

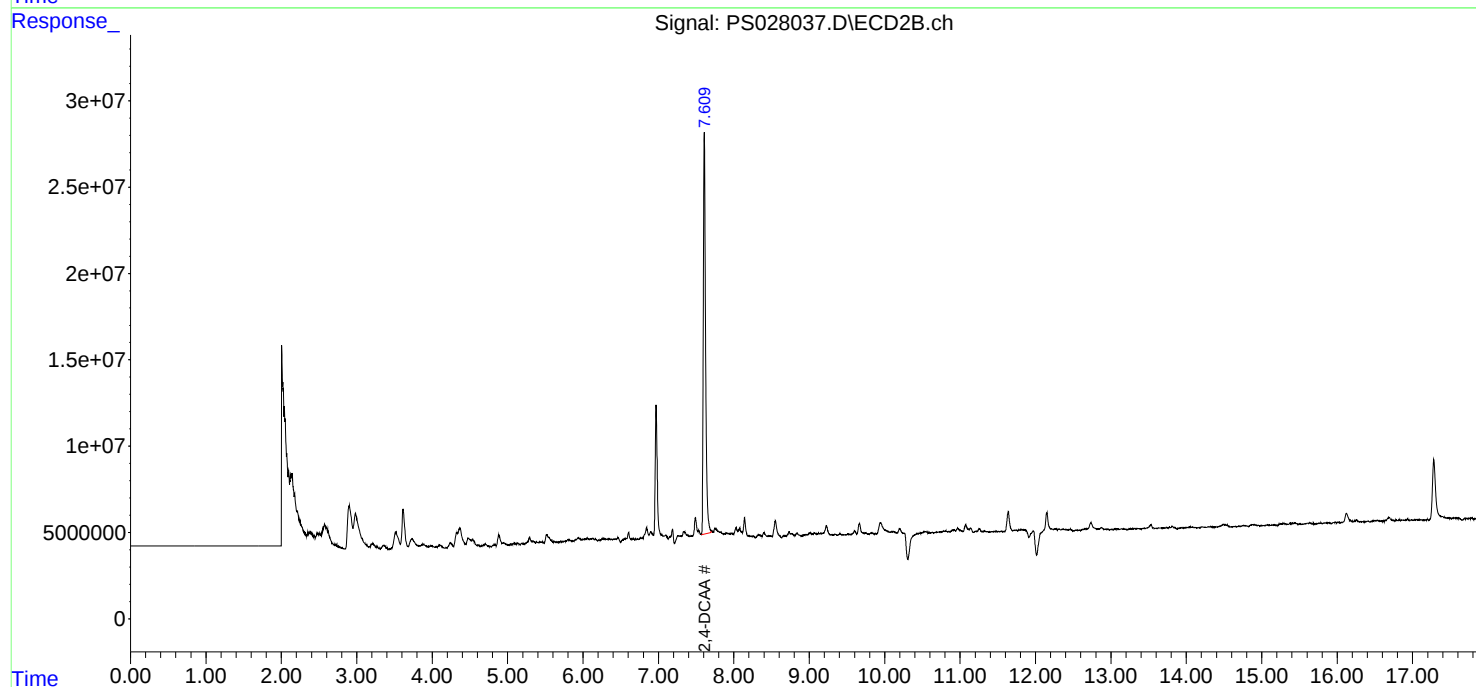
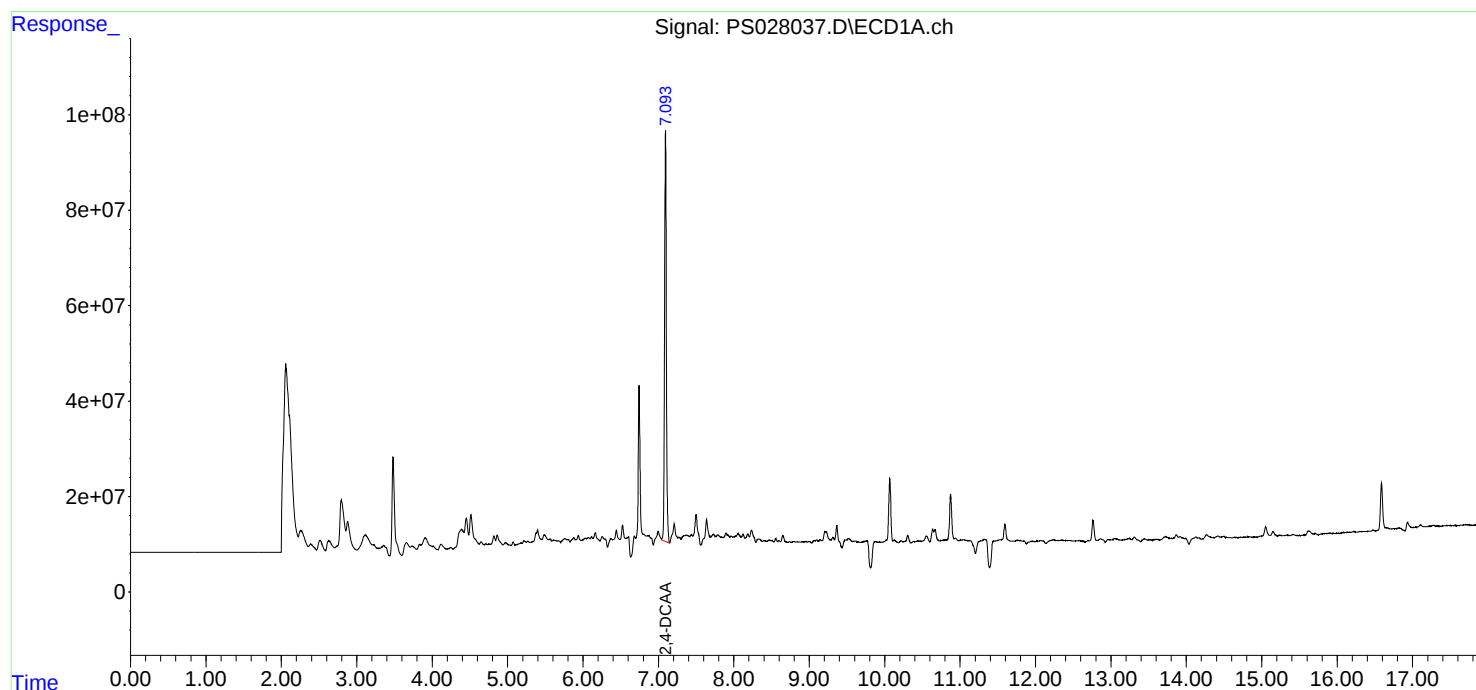
Manual Integrations**APPROVED**

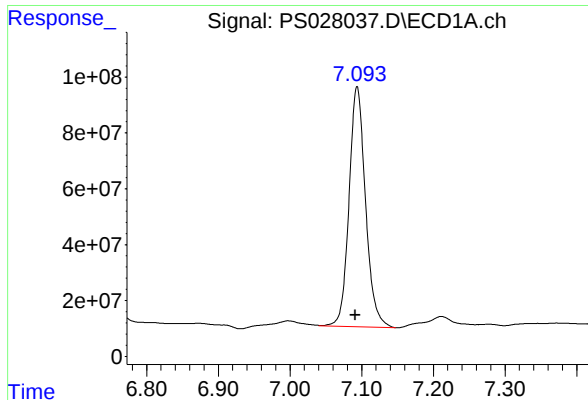
Reviewed By :Abdul Mirza 10/25/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:41:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





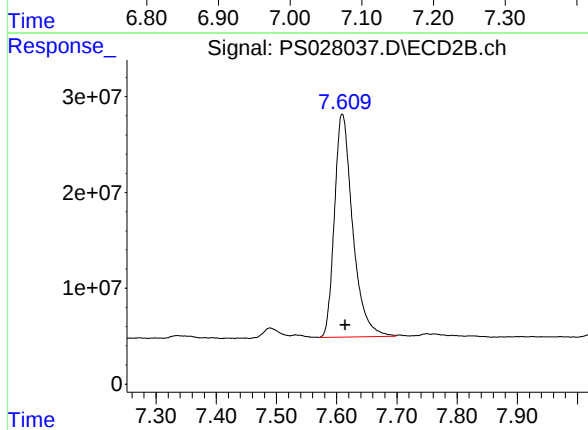
#4 2,4-DCAA

R.T.: 7.093 min
Delta R.T.: 0.002 min
Response: 1374498746
Conc: 509.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164378BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024



#4 2,4-DCAA

R.T.: 7.609 min
Delta R.T.: -0.005 min
Response: 489657956
Conc: 516.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
 Data File : PS028038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2024 17:33
 Operator : AR\AJ
 Sample : PB164378BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB164378BS

A
B
C
D
E
F
G
H
I
J
K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 02:42:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
 Quant Title : 8080.M
 QLast Update : Wed Oct 23 13:25:49 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.092	7.613	1366.0E6	513.7E6	506.494	541.517
Target Compounds							
1) T	Dalapon	2.539	2.612	2094.8E6	775.8E6	459.742	454.878
2) T	3,5-DICHL...	6.284	6.586	1837.1E6	659.2E6	464.268	492.861
3) T	4-Nitroph...	6.886	7.146	842.3E6	339.9E6	455.202	491.699
5) T	DICAMBA	7.270	7.805	5231.5E6	1689.3E6	478.335	511.177
6) T	MCP	7.448	7.908	338.2E6	131.0E6	46.126	50.658
7) T	MCPA	7.592	8.147	482.5E6	228.9E6	45.505	49.742
8) T	DICHLORPROP	7.955	8.512	1377.6E6	488.7E6	477.724	521.599
9) T	2,4-D	8.178	8.837	1661.3E6	496.6E6	490.275	498.000
10) T	Pentachlo...	8.464	9.348	19935.8E6	6669.1E6	503.787	520.776
11) T	2,4,5-TP ...	9.030	9.724	7884.8E6	2460.6E6	488.197	539.051
12) T	2,4,5-T	9.315	10.137	8059.8E6	2165.9E6	482.435	526.673
13) T	2,4-DB	9.877	10.699	1249.0E6	279.6E6	474.374	547.387
14) T	DINOSEB	11.052	11.072	5258.5E6	1672.8E6	477.745	497.146
15) T	Picloram	10.867	12.150	10639.9E6	1877.2E6	477.867	411.959
16) T	DCPA	11.351	12.102	9048.8E6	2545.6E6	489.433	548.485

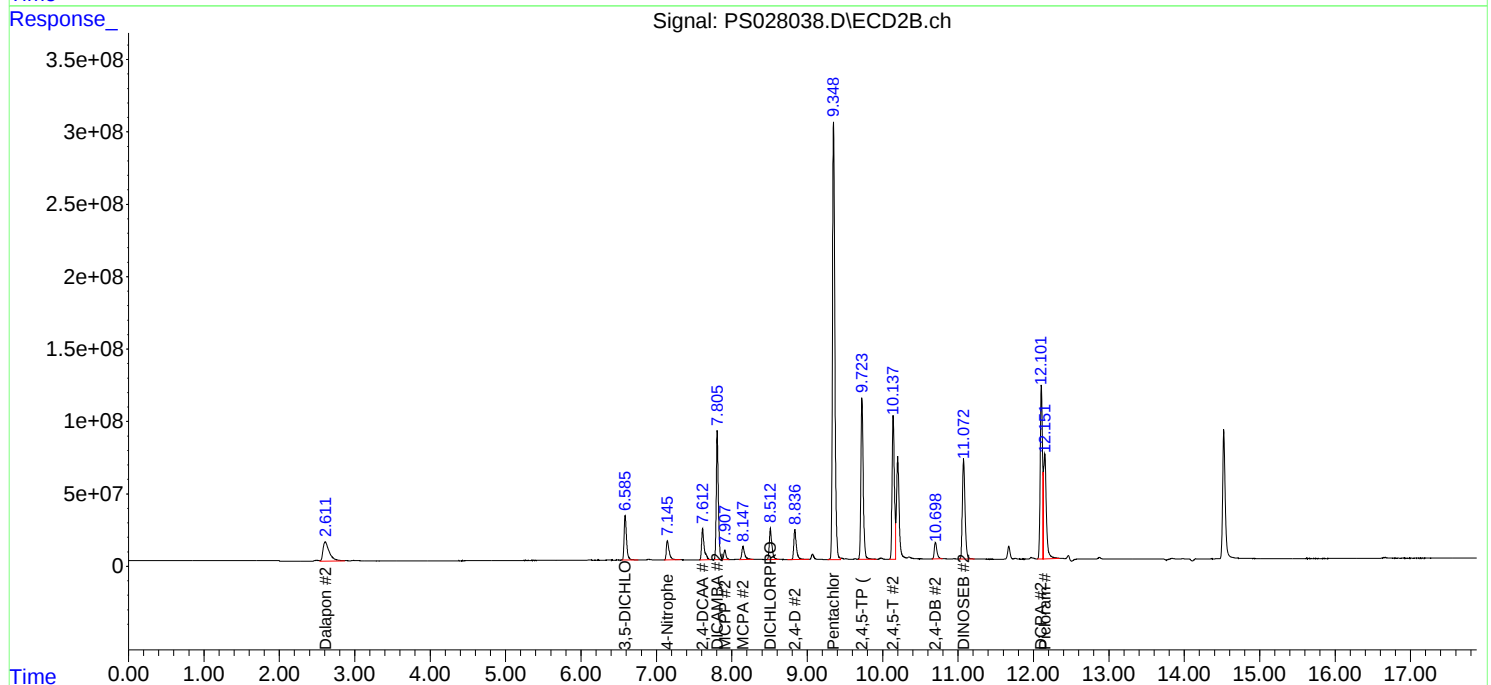
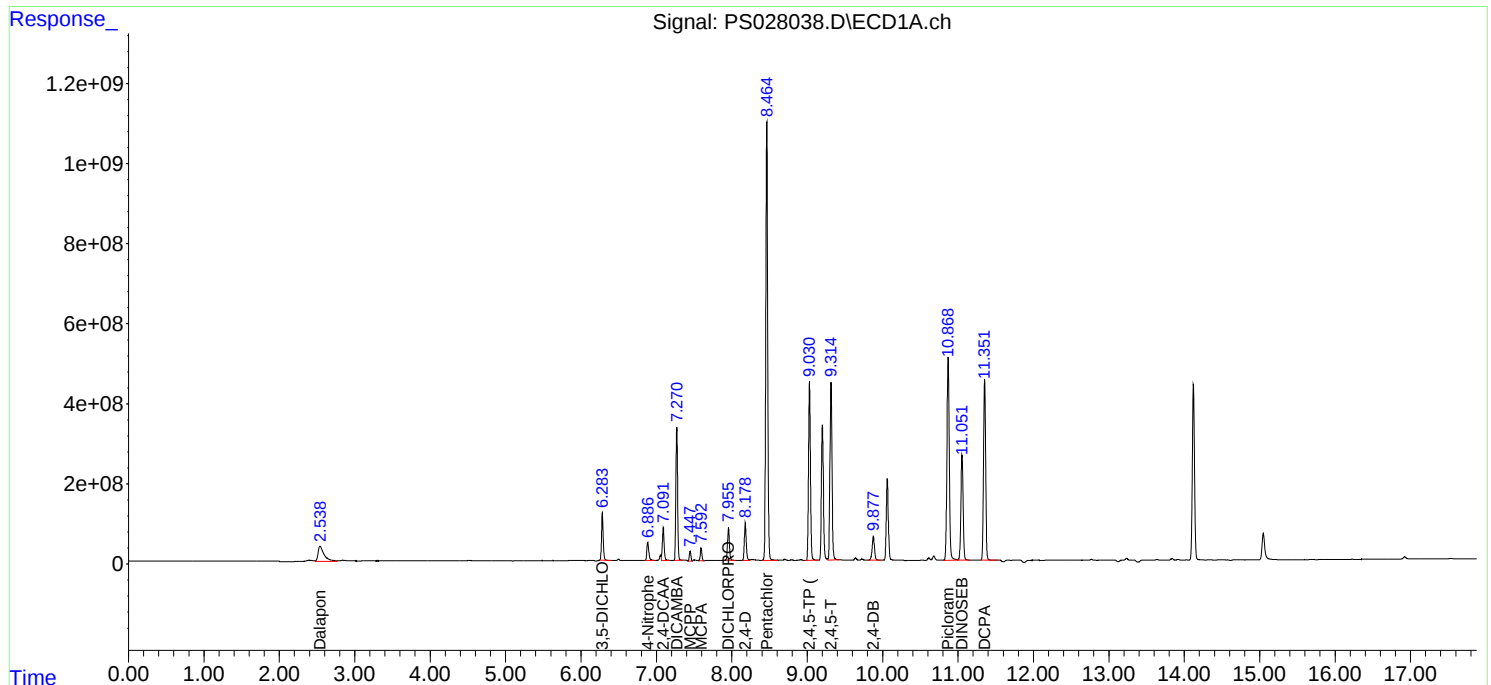
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 17:33
Operator : AR\AJ
Sample : PB164378BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164378BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:42:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
 Data File : PS028042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2024 19:09
 Operator : AR\AJ
 Sample : P4397-06MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

WB-301-BOTMS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/25/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 02:46:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
 Quant Title : 8080.M
 QLast Update : Wed Oct 23 13:25:49 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.091	7.612	372.5E6	108.3E6	138.132m	114.209
Target Compounds							
1) T	Dalapon	2.542	2.617	1501.3E6	593.4E6	329.484	347.931m
2) T	3,5-DICHL...	6.283	6.585	1113.2E6	379.0E6	281.331	283.362
5) T	DICAMBA	7.269	7.806	4487.4E6	1321.2E6	410.303	399.789
6) T	MCP	7.447	7.907	308.6E6	88714857	42.083m	34.319
7) T	MCPA	7.591	8.144	392.5E6	197.2E6	37.010	42.856m
8) T	DICHLORPROP	7.954	8.509	1244.3E6	447.1E6	431.484	477.210
9) T	2,4-D	8.176	8.835	1660.6E6	550.3E6	490.057	551.913
10) T	Pentachlo...	8.463	9.347	5387.2E6	1448.7E6	136.136	113.125
11) T	2,4,5-TP ...	9.028	9.727	7631.5E6	4822.3E6	472.516	1056.448 #
12) T	2,4,5-T	9.313	10.137	7507.8E6	2074.7E6	449.393	504.482
13) T	2,4-DB	9.875	10.695	1031.4E6	207.3E6	391.725	405.788
14) T	DINOSEB	11.050	11.072	984.3E6	285.6E6	89.429	84.881
15) T	Picloram	10.865	12.144	8825.0E6	1858.8E6	396.357	407.909
16) T	DCPA	11.349	12.104	9964.0E6	2828.9E6	538.930	609.515

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 19:09
Operator : AR\AJ
Sample : P4397-06MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

WB-301-BOTMS

Manual Integrations

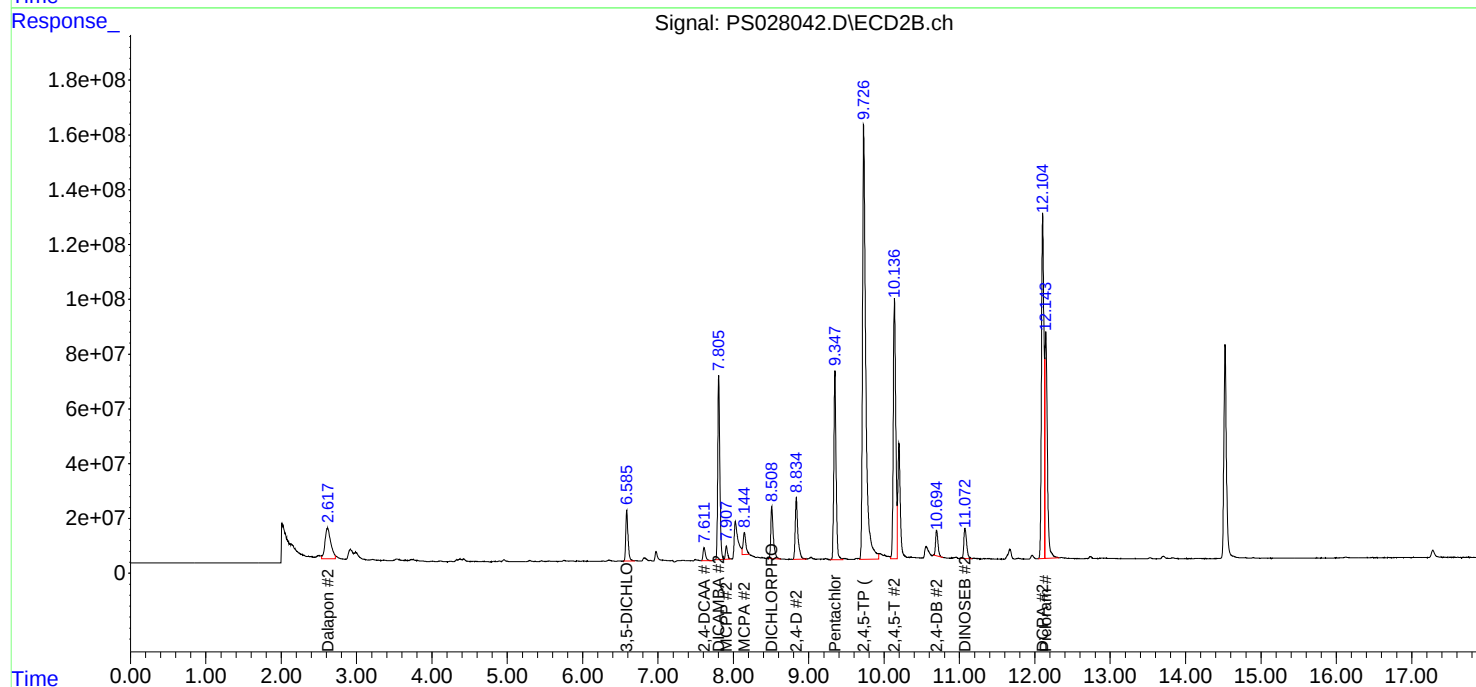
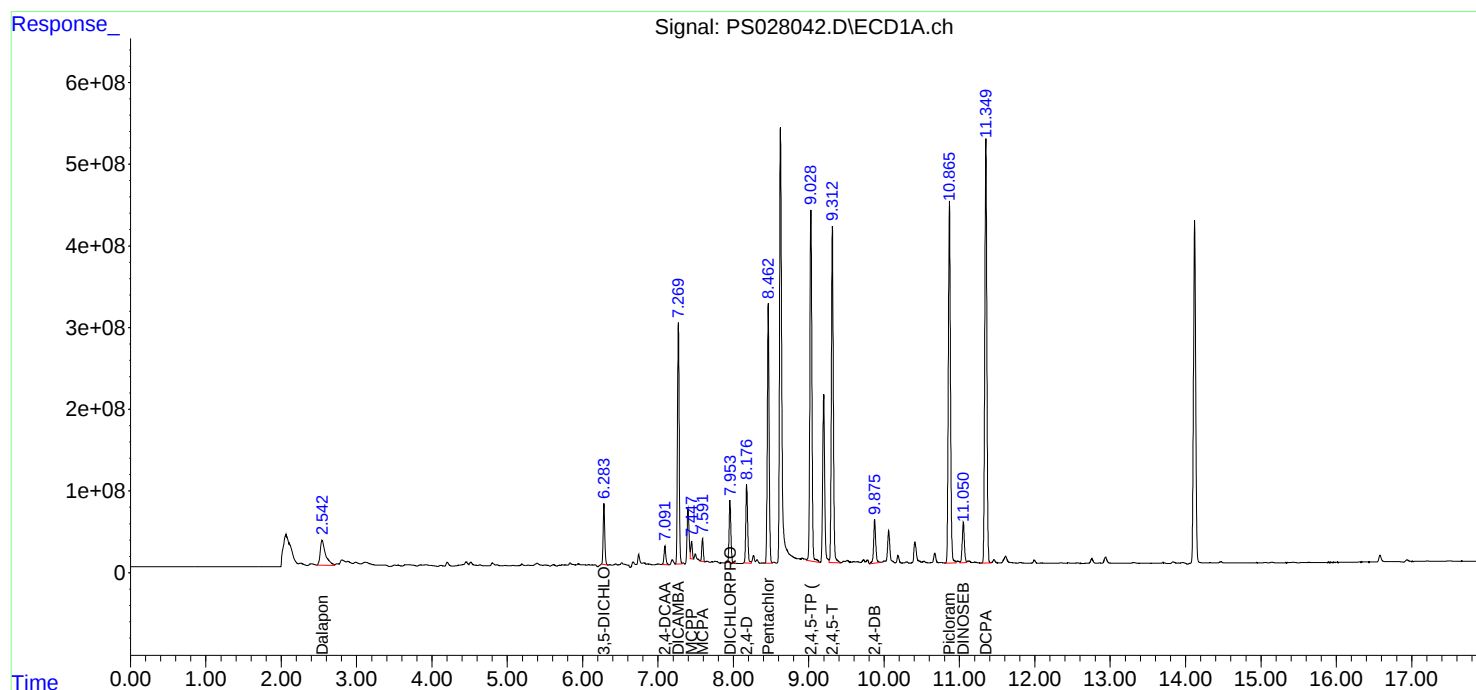
APPROVED

Reviewed By :Abdul Mirza 10/25/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:46:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
 Data File : PS028043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2024 19:32
 Operator : AR\AJ
 Sample : P4397-06MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

WB-301-BOTMSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/25/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 02:47:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
 Quant Title : 8080.M
 QLast Update : Wed Oct 23 13:25:49 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	7.091	7.612	382.8E6	105.5E6	141.953m	111.164
Target Compounds							
1) T	Dalapon	2.541	2.604	1470.9E6	630.1E6	322.816	369.479m
2) T	3,5-DICHL...	6.283	6.584	1107.8E6	381.1E6	279.962	284.899
5) T	DICAMBA	7.269	7.805	4448.1E6	1363.8E6	406.710	412.682
6) T	MCPD	7.446	7.908	321.1E6	91444977	43.785m	35.375
7) T	MCPA	7.591	8.146	399.4E6	167.7E6	37.666	36.431m
8) T	DICHLORPROP	7.954	8.510	1249.2E6	460.5E6	433.203	491.502
9) T	2,4-D	8.176	8.834	1666.1E6	564.5E6	491.685	566.078
10) T	Pentachlo...	8.462	9.346	5264.8E6	1426.2E6	133.043	111.367
11) T	2,4,5-TP ...	9.029	9.730	7670.8E6	5164.9E6	474.948	1131.497 #
12) T	2,4,5-T	9.312	10.137	7628.9E6	2075.6E6	456.643	504.712
13) T	2,4-DB	9.875	10.697	1025.3E6	217.2E6	389.413	425.240
14) T	DINOSEB	11.050	11.073	962.5E6	270.8E6	87.443	80.490
15) T	Picloram	10.866	12.144	8907.0E6	2232.6E6	400.039	489.957
16) T	DCPA	11.350	12.104	10107.5E6	2695.1E6	546.695	580.696

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 19:32
Operator : AR\AJ
Sample : P4397-06MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

WB-301-BOTMSD

Manual Integrations

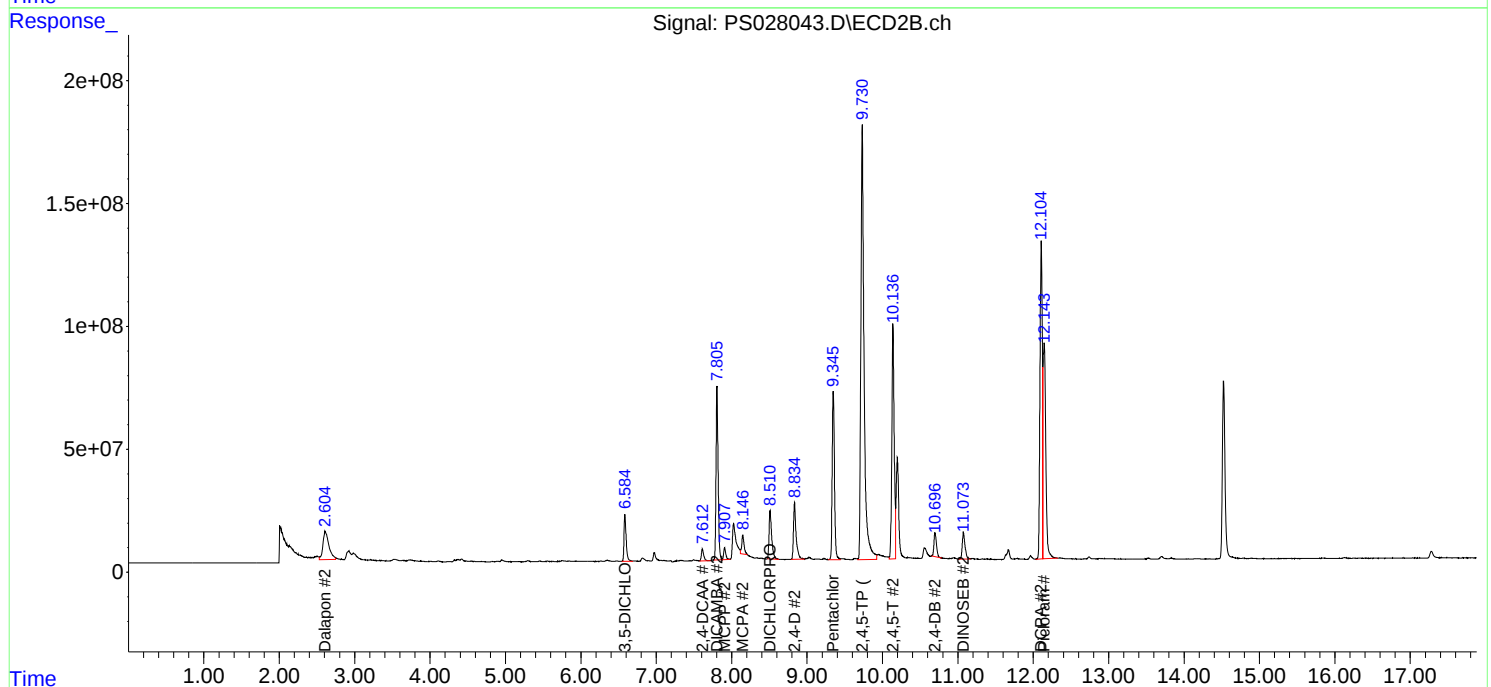
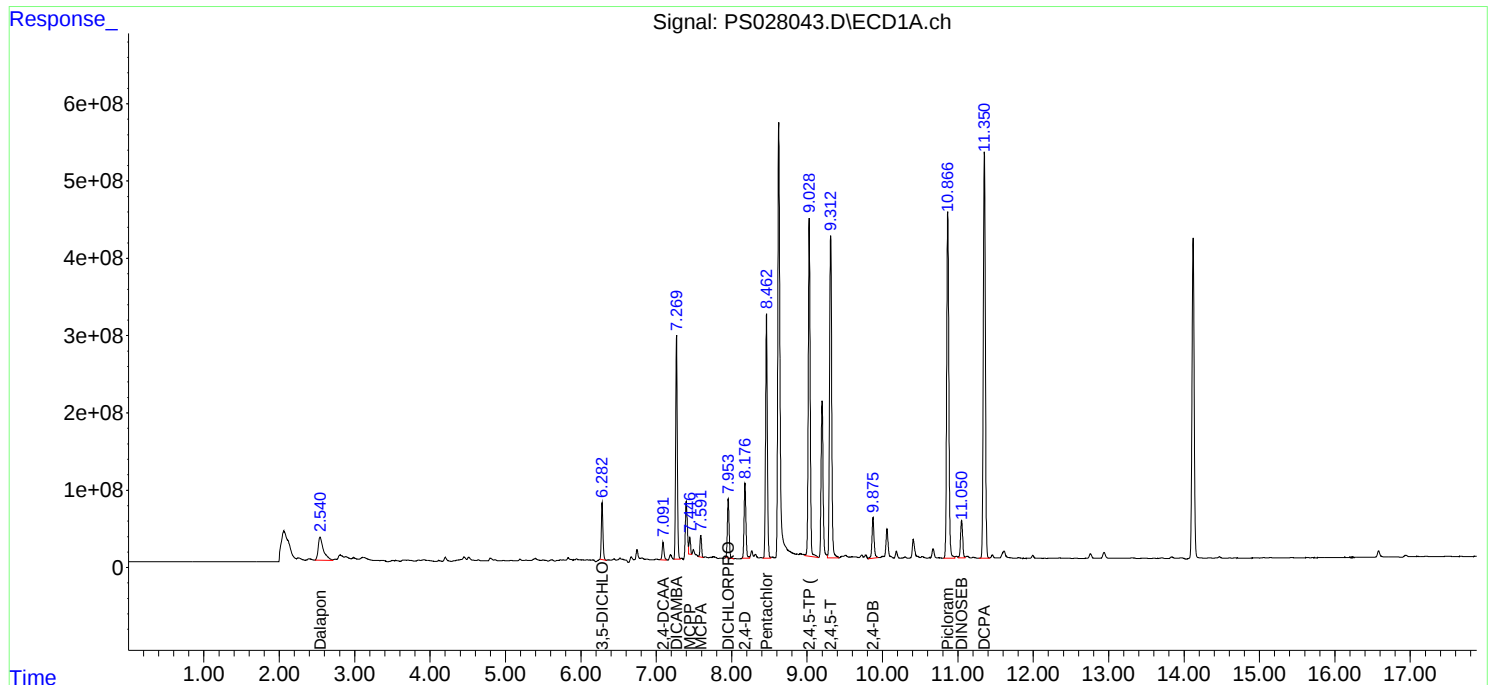
APPROVED

Reviewed By :Abdul Mirza 10/25/2024

Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:47:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:

PS102324

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS028008.D	MCPA #2	Abdul	10/24/2024 2:21:48 PM	Ankita	10/24/2024 2:24:57	Peak Integrated by Software
HSTDICC1000	PS028011.D	2,4-DCAA	Abdul	10/24/2024 2:21:51 PM	Ankita	10/24/2024 2:24:58	Peak Integrated by Software
HSTDCCC750	PS028015.D	Dalapon #2	Abdul	10/24/2024 2:21:55 PM	Ankita	10/24/2024 2:25:00	Peak Integrated by Software
HSTDCCC750	PS028024.D	Picloram #2	Abdul	10/24/2024 2:22:11 PM	Ankita	10/24/2024 2:25:11	Peak Integrated by Software

Manual Integration Report

Sequence:	PS102424	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS028031.D	2,4-DCAA	Abdul	10/25/2024 3:27:05 PM	Ankita	10/28/2024 9:12:15	Peak Integrated by Software
I.BLK	PS028035.D	2,4-DCAA	Abdul	10/25/2024 3:27:09 PM	Ankita	10/28/2024 9:12:17	Peak Integrated by Software
PB164378BL	PS028037.D	2,4-DCAA	Abdul	10/25/2024 3:27:12 PM	Ankita	10/28/2024 9:12:19	Peak Integrated by Software
P4397-06MS	PS028042.D	2,4-DCAA	Abdul	10/25/2024 3:27:21 PM	Ankita	10/28/2024 9:12:23	Peak Integrated by Software
P4397-06MS	PS028042.D	Dalapon #2	Abdul	10/25/2024 3:27:21 PM	Ankita	10/28/2024 9:12:23	Peak Integrated by Software
P4397-06MS	PS028042.D	MCPA #2	Abdul	10/25/2024 3:27:21 PM	Ankita	10/28/2024 9:12:23	Peak Integrated by Software
P4397-06MS	PS028042.D	MCPA #2	Abdul	10/25/2024 3:27:21 PM	Ankita	10/28/2024 9:12:23	Peak Integrated by Software
P4397-06MSD	PS028043.D	2,4-DCAA	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
P4397-06MSD	PS028043.D	Dalapon #2	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
P4397-06MSD	PS028043.D	MCPA #2	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
P4397-06MSD	PS028043.D	MCPA #2	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
P4397-06MSD	PS028043.D	MCPA #2	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
I.BLK	PS028046.D	2,4-DCAA	Abdul	10/25/2024 3:27:33 PM	Ankita	10/28/2024 9:12:29	Peak Integrated by Software



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

Manual Integration Report

Sequence:	PS102424	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:

PS102524

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4460-04	PS028052.D	2,4-DCAA	Abdul	10/28/2024 9:28:16 AM	Ankita	10/28/2024 10:47:42	Peak Integrated by Software
I.BLK	PS028068.D	2,4-DCAA	Abdul	10/28/2024 9:29:07 AM	Ankita	10/28/2024 10:48:04	Peak Integrated by Software
HSTDCCC750	PS028069.D	2,4-D #2	Abdul	10/28/2024 9:28:53 AM	Ankita	10/28/2024 10:48:05	Peak Integrated by Software

Manual Integration Report

Sequence:

PS102824

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS028071.D	2,4-DCAA	Abdul	10/29/2024 8:52:10 AM	Ankita	10/29/2024 8:52:39	Peak Integrated by Software
HSTDCCC750	PS028072.D	MCPP #2	Abdul	10/29/2024 8:52:11 AM	Ankita	10/29/2024 8:52:40	Peak Integrated by Software
PB164261TB	PS028073.D	2,4-DCAA	Abdul	10/29/2024 8:52:14 AM	Ankita	10/29/2024 8:52:41	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102324

Review By	Abdul	Review On	10/24/2024 2:22:53 PM
Supervise By	Ankita	Supervise On	10/24/2024 2:25:32 PM
SubDirectory	PS102324	HP Acquire Method	HP Processing Method ps102324 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	PS028006.D	23 Oct 2024 10:40	AR\AJ	Ok
2	I.BLK	PS028007.D	23 Oct 2024 11:04	AR\AJ	Ok
3	HSTDICC200	PS028008.D	23 Oct 2024 11:28	AR\AJ	Ok,M
4	HSTDICC500	PS028009.D	23 Oct 2024 11:52	AR\AJ	Ok
5	HSTDICC750	PS028010.D	23 Oct 2024 12:16	AR\AJ	Ok
6	HSTDICC1000	PS028011.D	23 Oct 2024 12:40	AR\AJ	Ok,M
7	HSTDICC1500	PS028012.D	23 Oct 2024 13:04	AR\AJ	Ok
8	HSTDICV750	PS028013.D	23 Oct 2024 13:28	AR\AJ	Ok
9	I.BLK	PS028014.D	23 Oct 2024 14:14	AR\AJ	Ok
10	HSTDCCC750	PS028015.D	23 Oct 2024 14:38	AR\AJ	Ok,M
11	P4443-01	PS028016.D	23 Oct 2024 15:02	AR\AJ	Ok,M
12	P4443-06	PS028017.D	23 Oct 2024 15:26	AR\AJ	Ok,M
13	P4458-01	PS028018.D	23 Oct 2024 15:49	AR\AJ	Ok,M
14	P4458-01MS	PS028019.D	23 Oct 2024 16:13	AR\AJ	Ok,M
15	P4458-01MSD	PS028020.D	23 Oct 2024 16:37	AR\AJ	Ok,M
16	PB174307BL	PS028021.D	23 Oct 2024 17:01	AR\AJ	Ok,M
17	PB174307BS	PS028022.D	23 Oct 2024 17:25	AR\AJ	Ok
18	I.BLK	PS028023.D	23 Oct 2024 18:14	AR\AJ	Ok
19	HSTDCCC750	PS028024.D	23 Oct 2024 18:38	AR\AJ	Ok,M
20	P4468-03	PS028025.D	23 Oct 2024 19:02	AR\AJ	Ok,M
21	P4468-05	PS028026.D	23 Oct 2024 19:26	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102324

Review By	Abdul	Review On	10/24/2024 2:22:53 PM
Supervise By	Ankita	Supervise On	10/24/2024 2:25:32 PM
SubDirectory	PS102324	HP Acquire Method	HP Processing Method ps102324 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		

22	P4467-01	PS028027.D	23 Oct 2024 19:50	AR\AJ	Ok
23	I.BLK	PS028028.D	24 Oct 2024 01:27	AR\AJ	Ok
24	HSTDCCC750	PS028029.D	24 Oct 2024 01:51	AR\AJ	Ok

M : Manual Integration

A
B
C
D
E
F
G
H
I
J
K
L

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102424

Review By	Abdul	Review On	10/25/2024 3:28:01 PM
Supervise By	Ankita	Supervise On	10/28/2024 9:12:45 AM
SubDirectory	PS102424	HP Acquire Method	HP Processing Method ps102324 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	PS028030.D	24 Oct 2024 09:02	AR\AJ	Ok
2	I.BLK	PS028031.D	24 Oct 2024 09:26	AR\AJ	Ok,M
3	HSTDCCC750	PS028032.D	24 Oct 2024 09:50	AR\AJ	Ok
4	P4472-01	PS028033.D	24 Oct 2024 10:13	AR\AJ	Ok
5	P4472-05	PS028034.D	24 Oct 2024 10:37	AR\AJ	Ok
6	I.BLK	PS028035.D	24 Oct 2024 11:01	AR\AJ	Ok,M
7	HSTDCCC750	PS028036.D	24 Oct 2024 11:25	AR\AJ	Ok
8	PB164378BL	PS028037.D	24 Oct 2024 17:09	AR\AJ	Ok,M
9	PB164378BS	PS028038.D	24 Oct 2024 17:33	AR\AJ	Ok
10	PB164261TB	PS028039.D	24 Oct 2024 17:57	AR\AJ	Not Ok
11	PB164336TB	PS028040.D	24 Oct 2024 18:21	AR\AJ	Not Ok
12	P4397-06	PS028041.D	24 Oct 2024 18:45	AR\AJ	Ok,M
13	P4397-06MS	PS028042.D	24 Oct 2024 19:09	AR\AJ	Ok,M
14	P4397-06MSD	PS028043.D	24 Oct 2024 19:32	AR\AJ	Ok,M
15	P4460-04	PS028044.D	24 Oct 2024 19:56	AR\AJ	Not Ok
16	P4462-02	PS028045.D	24 Oct 2024 20:20	AR\AJ	Ok
17	I.BLK	PS028046.D	24 Oct 2024 20:44	AR\AJ	Ok,M
18	HSTDCCC750	PS028047.D	24 Oct 2024 21:08	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102524

Review By	Abdul	Review On	10/28/2024 9:31:35 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:48:49 AM
SubDirectory	PS102524	HP Acquire Method	HP Processing Method ps102324 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	PS028048.D	25 Oct 2024 11:18	AR\AJ	Ok
2	I.BLK	PS028049.D	25 Oct 2024 11:42	AR\AJ	Ok
3	HSTDCCC750	PS028050.D	25 Oct 2024 12:32	AR\AJ	Ok
4	P4485-01	PS028051.D	25 Oct 2024 16:25	AR\AJ	Ok,M
5	P4460-04	PS028052.D	25 Oct 2024 16:49	AR\AJ	Ok,M
6	PB164411BL	PS028053.D	25 Oct 2024 17:13	AR\AJ	Ok,M
7	PB164411BS	PS028054.D	25 Oct 2024 17:41	AR\AJ	Ok
8	I.BLK	PS028055.D	25 Oct 2024 18:05	AR\AJ	Ok
9	HSTDCCC750	PS028056.D	25 Oct 2024 18:28	AR\AJ	Ok
10	P4487-01	PS028057.D	25 Oct 2024 19:16	AR\AJ	Ok,M
11	P4487-01MS	PS028058.D	25 Oct 2024 19:40	AR\AJ	Ok,M
12	P4487-01MSD	PS028059.D	25 Oct 2024 20:04	AR\AJ	Ok,M
13	P4487-05	PS028060.D	25 Oct 2024 20:28	AR\AJ	Ok,M
14	P4508-01	PS028061.D	25 Oct 2024 20:52	AR\AJ	Ok
15	P4508-05	PS028062.D	25 Oct 2024 21:16	AR\AJ	Ok,M
16	P4508-09	PS028063.D	25 Oct 2024 21:39	AR\AJ	Ok
17	P4509-01	PS028064.D	25 Oct 2024 22:03	AR\AJ	Ok,M
18	P4545-01	PS028065.D	25 Oct 2024 22:27	AR\AJ	Ok
19	P4547-01	PS028066.D	25 Oct 2024 22:51	AR\AJ	Ok,M
20	P4547-05	PS028067.D	25 Oct 2024 23:15	AR\AJ	Ok
21	I.BLK	PS028068.D	25 Oct 2024 23:39	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102524

Review By	Abdul	Review On	10/28/2024 9:31:35 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:48:49 AM
SubDirectory	PS102524	HP Acquire Method	HP Processing Method ps102324 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	PS028069.D	26 Oct 2024 00:03	AR\AJ	Ok,M
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M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102824

Review By	Abdul	Review On	10/29/2024 8:52:20 AM
Supervise By	Ankita	Supervise On	10/29/2024 8:52:48 AM
SubDirectory	PS102824	HP Acquire Method	HP Processing Method ps102324 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	PS028070.D	28 Oct 2024 09:44	AR\AJ	Ok
2	I.BLK	PS028071.D	28 Oct 2024 10:08	AR\AJ	Ok,M
3	HSTDCCC750	PS028072.D	28 Oct 2024 10:32	AR\AJ	Ok,M
4	PB164261TB	PS028073.D	28 Oct 2024 13:11	AR\AJ	Ok,M
5	PB164336TB	PS028074.D	28 Oct 2024 13:35	AR\AJ	Ok,M
6	I.BLK	PS028075.D	28 Oct 2024 13:59	AR\AJ	Ok
7	HSTDCCC750	PS028076.D	28 Oct 2024 17:17	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102324

Review By	Abdul	Review On	10/24/2024 2:22:53 PM
Supervise By	Ankita	Supervise On	10/24/2024 2:25:32 PM
SubDirectory	PS102324	HP Acquire Method	HP Processing Method ps102324 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	PS028006.D	23 Oct 2024 10:40		AR\AJ	Ok
2	I.BLK	I.BLK	PS028007.D	23 Oct 2024 11:04		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS028008.D	23 Oct 2024 11:28		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS028009.D	23 Oct 2024 11:52		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS028010.D	23 Oct 2024 12:16		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS028011.D	23 Oct 2024 12:40		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS028012.D	23 Oct 2024 13:04		AR\AJ	Ok
8	HSTDICV750	ICVPS102324	PS028013.D	23 Oct 2024 13:28		AR\AJ	Ok
9	I.BLK	I.BLK	PS028014.D	23 Oct 2024 14:14		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS028015.D	23 Oct 2024 14:38		AR\AJ	Ok,M
11	P4443-01	OG-315-HR-502-COMF	PS028016.D	23 Oct 2024 15:02		AR\AJ	Ok,M
12	P4443-06	OG-315-HR-502-COMF	PS028017.D	23 Oct 2024 15:26		AR\AJ	Ok,M
13	P4458-01	280517	PS028018.D	23 Oct 2024 15:49		AR\AJ	Ok,M
14	P4458-01MS	280517MS	PS028019.D	23 Oct 2024 16:13	Some compound recovery fail	AR\AJ	Ok,M
15	P4458-01MSD	280517MSD	PS028020.D	23 Oct 2024 16:37	Some compound recovery fail , RPD is high in MCPA	AR\AJ	Ok,M
16	PB174307BL	PB174307BL	PS028021.D	23 Oct 2024 17:01	Typo PB164307BL	AR\AJ	Ok,M
17	PB174307BS	PB174307BS	PS028022.D	23 Oct 2024 17:25	Typo PB164307BS	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102324

Review By	Abdul	Review On	10/24/2024 2:22:53 PM
Supervise By	Ankita	Supervise On	10/24/2024 2:25:32 PM
SubDirectory	PS102324	HP Acquire Method	HP Processing Method ps102324 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		

18	I.BLK	I.BLK	PS028023.D	23 Oct 2024 18:14		AR\AJ	Ok
19	HSTDCCC750	HSTDCCC750	PS028024.D	23 Oct 2024 18:38		AR\AJ	Ok,M
20	P4468-03	ETGI-329	PS028025.D	23 Oct 2024 19:02		AR\AJ	Ok,M
21	P4468-05	ETGI-345	PS028026.D	23 Oct 2024 19:26		AR\AJ	Ok
22	P4467-01	TP-1	PS028027.D	23 Oct 2024 19:50		AR\AJ	Ok
23	I.BLK	I.BLK	PS028028.D	24 Oct 2024 01:27		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS028029.D	24 Oct 2024 01:51		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102424

Review By	Abdul	Review On	10/25/2024 3:28:01 PM
Supervise By	Ankita	Supervise On	10/28/2024 9:12:45 AM
SubDirectory	PS102424	HP Acquire Method	HP Processing Method ps102324 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	PS028030.D	24 Oct 2024 09:02		AR\AJ	Ok
2	I.BLK	I.BLK	PS028031.D	24 Oct 2024 09:26		AR\AJ	Ok,M
3	HSTDCCC750	HSTDCCC750	PS028032.D	24 Oct 2024 09:50		AR\AJ	Ok
4	P4472-01	BP-F-28	PS028033.D	24 Oct 2024 10:13		AR\AJ	Ok
5	P4472-05	BP-F-6	PS028034.D	24 Oct 2024 10:37		AR\AJ	Ok
6	I.BLK	I.BLK	PS028035.D	24 Oct 2024 11:01		AR\AJ	Ok,M
7	HSTDCCC750	HSTDCCC750	PS028036.D	24 Oct 2024 11:25		AR\AJ	Ok
8	PB164378BL	PB164378BL	PS028037.D	24 Oct 2024 17:09		AR\AJ	Ok,M
9	PB164378BS	PB164378BS	PS028038.D	24 Oct 2024 17:33		AR\AJ	Ok
10	PB164261TB	PB164261TB	PS028039.D	24 Oct 2024 17:57	surrogate fail in 2nd column	AR\AJ	Not Ok
11	PB164336TB	PB164336TB	PS028040.D	24 Oct 2024 18:21	surrogate fail in 2nd column	AR\AJ	Not Ok
12	P4397-06	WB-301-BOT	PS028041.D	24 Oct 2024 18:45	both surrogate fail confirms with ms/msd	AR\AJ	Ok,M
13	P4397-06MS	WB-301-BOTMS	PS028042.D	24 Oct 2024 19:09	both surrogate fail , some comp recovery fails	AR\AJ	Ok,M
14	P4397-06MSD	WB-301-BOTMSD	PS028043.D	24 Oct 2024 19:32	both surrogate fail , some comp recovery fails	AR\AJ	Ok,M
15	P4460-04	WB-303-BOT	PS028044.D	24 Oct 2024 19:56	both Surrogate Fail	AR\AJ	Not Ok
16	P4462-02	C0AL2	PS028045.D	24 Oct 2024 20:20		AR\AJ	Ok
17	I.BLK	I.BLK	PS028046.D	24 Oct 2024 20:44		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102424

Review By	Abdul	Review On	10/25/2024 3:28:01 PM				
Supervise By	Ankita	Supervise On	10/28/2024 9:12:45 AM				
SubDirectory	PS102424	HP Acquire Method	HP Processing Method		ps102324 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							

18	HSTDCCC750	HSTDCCC750	PS028047.D	24 Oct 2024 21:08		ARIAJ	Ok
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M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102524

Review By	Abdul	Review On	10/28/2024 9:31:35 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:48:49 AM
SubDirectory	PS102524	HP Acquire Method	HP Processing Method ps102324 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	PS028048.D	25 Oct 2024 11:18		AR\AJ	Ok
2	I.BLK	I.BLK	PS028049.D	25 Oct 2024 11:42		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS028050.D	25 Oct 2024 12:32		AR\AJ	Ok
4	P4485-01	D20241001-01-04	PS028051.D	25 Oct 2024 16:25		AR\AJ	Ok,M
5	P4460-04	WB-303-BOT	PS028052.D	25 Oct 2024 16:49		AR\AJ	Ok,M
6	PB164411BL	PB164411BL	PS028053.D	25 Oct 2024 17:13		AR\AJ	Ok,M
7	PB164411BS	PB164411BS	PS028054.D	25 Oct 2024 17:41		AR\AJ	Ok
8	I.BLK	I.BLK	PS028055.D	25 Oct 2024 18:05		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS028056.D	25 Oct 2024 18:28		AR\AJ	Ok
10	P4487-01	BP-B5	PS028057.D	25 Oct 2024 19:16		AR\AJ	Ok,M
11	P4487-01MS	BP-B5MS	PS028058.D	25 Oct 2024 19:40	Some compound recovery fail	AR\AJ	Ok,M
12	P4487-01MSD	BP-B5MSD	PS028059.D	25 Oct 2024 20:04	Some compound recovery fail	AR\AJ	Ok,M
13	P4487-05	BP-F27	PS028060.D	25 Oct 2024 20:28		AR\AJ	Ok,M
14	P4508-01	TP-3	PS028061.D	25 Oct 2024 20:52		AR\AJ	Ok
15	P4508-05	BP-F23	PS028062.D	25 Oct 2024 21:16		AR\AJ	Ok,M
16	P4508-09	BP-F22	PS028063.D	25 Oct 2024 21:39		AR\AJ	Ok
17	P4509-01	AU-06-10232024	PS028064.D	25 Oct 2024 22:03		AR\AJ	Ok,M
18	P4545-01	VNJ-215	PS028065.D	25 Oct 2024 22:27		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102524

Review By	Abdul	Review On	10/28/2024 9:31:35 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:48:49 AM
SubDirectory	PS102524	HP Acquire Method	HP Processing Method ps102324 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	PP23469		
MS/MSD Standard LCS Standard			

19	P4547-01	BP-F-21	PS028066.D	25 Oct 2024 22:51		AR\AJ	Ok,M
20	P4547-05	BP-F-20	PS028067.D	25 Oct 2024 23:15		AR\AJ	Ok
21	I.BLK	I.BLK	PS028068.D	25 Oct 2024 23:39		AR\AJ	Ok,M
22	HSTDCCC750	HSTDCCC750	PS028069.D	26 Oct 2024 00:03		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102824

Review By	Abdul	Review On	10/29/2024 8:52:20 AM
Supervise By	Ankita	Supervise On	10/29/2024 8:52:48 AM
SubDirectory	PS102824	HP Acquire Method	HP Processing Method ps102324 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	PS028070.D	28 Oct 2024 09:44		AR\AJ	Ok
2	I.BLK	I.BLK	PS028071.D	28 Oct 2024 10:08		AR\AJ	Ok,M
3	HSTDCCC750	HSTDCCC750	PS028072.D	28 Oct 2024 10:32		AR\AJ	Ok,M
4	PB164261TB	PB164261TB	PS028073.D	28 Oct 2024 13:11		AR\AJ	Ok,M
5	PB164336TB	PB164336TB	PS028074.D	28 Oct 2024 13:35		AR\AJ	Ok,M
6	I.BLK	I.BLK	PS028075.D	28 Oct 2024 13:59		AR\AJ	Ok
7	HSTDCCC750	HSTDCCC750	PS028076.D	28 Oct 2024 17:17		AR\AJ	Ok

M : Manual Integration

SOP ID :	M1311-TCLP-15	
SDG No :	N/A	Start Prep Date : 10/18/2024 Time : 17:00
Weigh By :	JP	End Prep Date : 10/19/2024 Time : 10:15
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
Pipette ID :	WC	TCLP Technician Signature : <i>JP</i>
Tumbler ID :	T-1	Supervisor By : <i>12</i>
TCLP Filter ID :	114771	

Standarded 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	N/A
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 CHECKED,30 RPM. Particle size reduction is not required. p4460-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 08:00	<i>JP</i> / TCLP Room	<i>JP</i> / 1541
	Preparation Group	Analysis Group <i>10/21/24</i>

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
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164261TB	LEB261	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
P4397-06	WB-301-BOT	5.02	96.5	7.4	2.5	#1	4.93
P4443-05	OG-315-HR-502-COMP-29	5.03	96.5	7.6	2.5	#1	4.93
P4443-10	OG-315-HR-502-COMP-30	5.02	96.5	6.0	2.0	#1	4.93
P4458-02	280517	5.01	96.5	7.6	2.5	#1	4.93
P4460-04	WB-303-BOT	5.02	96.5	8.4	3.0	#1	4.93
PB164261TB	LEB261	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP P4397 WorkList ID : 184595 Department : TCLP Extraction Date : 10-18-2024 14:05:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-06	WB-301-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06		10/10/2024	1311
P4443-05	OG-315-HR-502-COMP-29	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4443-10	OG-315-HR-502-COMP-30	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4458-02	280517	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4460-04	WB-303-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K51	10/18/2024	1311

Date/Time 10/18/24 / 6:20
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 10/18/24 18:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RJ

Filter By: EH

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date : 10/24/2024

Extraction Start Time : 11:28

Extraction End Date : 10/24/2024

Extraction End Time : 16:30

Concentration By: EH

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
12N H2SO4	N/A	EP2552
NAOH 6N	N/A	EP2491
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14150
Diazomethane	N/A	EP2529
Hexane	N/A	E3816
NACL	N/A	M4459
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 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/ Location
10/24/24 16:35	RP (Sat. Lab)	RP (Sat. Lab)
	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 10/24/2024

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164261TB	PB164261TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			SEP-08
PB164336TB	PB164336TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			9
PB164378BL	HBLK378	TCLP Herbicide	1000	6	RUPESH	ritesh	10			10
PB164378BS	HLCS378	TCLP Herbicide	1000	6	RUPESH	ritesh	10			11
P4397-06	WB-301-BOT	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		12
P4397-06MS	WB-301-BOTMS	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		13
P4397-06MS D	WB-301-BOTMSD	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		14
P4460-04	WB-303-BOT	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		15
P4462-02	C0AL2	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		16

* Extracts relinquished on the same date as received.

P
10/24/24

TCLP EXTRACTION LOGPAGE

PB164336

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
P4462-02	C0AL2	N/A	N/A	N/A	N/A	N/A	N/A	8.0	1.5	N/A
P4488-03	HCC-1	N/A	N/A	N/A	N/A	N/A	N/A	4.5	1.0	N/A
P4488-05	HCC-2	N/A	N/A	N/A	N/A	N/A	N/A	5.0	1.5	N/A
P4511-01	266	N/A	N/A	N/A	N/A	N/A	N/A	8.0	1.0	N/A
P4512-01	3140	N/A	N/A	N/A	N/A	N/A	N/A	7.6	1.5	N/A
P4512-02	3149	N/A	N/A	N/A	N/A	N/A	N/A	7.6	1.0	N/A
P4513-04	D3682	N/A	N/A	N/A	N/A	N/A	N/A	8.6	1.5	N/A
PB164336TB	LEB336	N/A	N/A	N/A	N/A	N/A	N/A	4.94	1.0	N/A

10/24/25

10/24/25
11:00

TCLP EXTRACTION LOGPAGE

PB164261

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	Pr
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

10/21/2024
UG1,000

LAB CHRONICLE

OrderID:	P4460	OrderDate:	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	WB-303-TOP	SOIL	PCB	8082A	10/18/24	10/21/24	10/21/24	10/18/24
			EPH	NJEPH		10/22/24	10/23/24	
P4460-03	WB-303-BOT	SOIL	PCB	8082A	10/18/24	10/21/24	10/21/24	10/18/24
			EPH	NJEPH		10/22/24	10/23/24	
P4460-03DL	WB-303-BOTDL	Solid	EPH	NJEPH	10/18/24	10/22/24	10/23/24	10/18/24
P4460-04	WB-303-BOT	TCLP	TCLP Herbicide	8151A	10/18/24	10/24/24	10/25/24	10/18/24
			TCLP Pesticide	8081B		10/22/24	10/24/24	
P4460-06	WB-303-SW	WATER	PCB	8082A	10/18/24	10/23/24	10/23/24	10/18/24
			EPH	NJEPH		10/23/24	10/24/24	