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Hit Summary Sheet
SW-846

SDG No.:	Q1488				Order ID:	Q1488		
Client:	Portal Partners Tri-Venture				Project ID:	Amtrak Sawtooth Bridges 2025		
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:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/11/25	
Client Sample ID:	PB167020TB		SDG No.:	Q1488	
Lab Sample ID:	PB167020TB		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
PS029399.D	1	03/11/25 11:30	03/12/25 10:45	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	525		70 (39) - 130 (175)	105%	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:	03/04/25		
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/04/25		
Client Sample ID:	ENV-101-SB01			SDG No.:	Q1488		
Lab Sample ID:	Q1488-02			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
PS029401.D	1	03/11/25 11:30	03/12/25 11:50	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	458		70 (39) - 130 (175)	92%	SPK: 500

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/04/25	
Client Sample ID:	ENV-101-SB02			SDG No.:	Q1488	
Lab Sample ID:	Q1488-04			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
PS029406.D	1	03/11/25 11:30	03/12/25 13:50	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	490		70 (39) - 130 (175)	98%	SPK: 500

Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-102-SB01		SDG No.:	Q1488	
Lab Sample ID:	Q1488-06		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
PS029407.D	1	03/11/25 11:30	03/12/25 14:14	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	542		70 (39) - 130 (175)	108%	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:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-102-SB02		SDG No.:	Q1488	
Lab Sample ID:	Q1488-08		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
PS029408.D	1	03/11/25 11:30	03/12/25 14:38	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	537		70 (39) - 130 (175)	107%	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:	03/04/25		
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/04/25		
Client Sample ID:	ENV-104-SB01			SDG No.:	Q1488		
Lab Sample ID:	Q1488-10			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
PS029409.D	1	03/11/25 11:30	03/12/25 15:02	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	255	*	70 (39) - 130 (175)	51%	SPK: 500

Comments:

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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 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:	03/04/25		
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/04/25		
Client Sample ID:	ENV-104-SB02			SDG No.:	Q1488		
Lab Sample ID:	Q1488-12			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
PS029410.D	1	03/11/25 11:30	03/12/25 15:27	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	351		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

* = 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



QC SUMMARY

Surrogate Summary

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS029233.D	PIBLK-PS029233.D	2,4-DCAA	1	500	476	95		70 (39)	130 (175)
		2,4-DCAA	2	500	494	99		70 (39)	130 (175)
I.BLK-PS029395.D	PIBLK-PS029395.D	2,4-DCAA	1	500	500	100		70 (39)	130 (175)
		2,4-DCAA	2	500	478	96		70 (39)	130 (175)
PB167090BL	PB167090BL	2,4-DCAA	1	500	482	96		70 (39)	130 (175)
		2,4-DCAA	2	500	427	85		70 (39)	130 (175)
PB167090BS	PB167090BS	2,4-DCAA	1	500	521	104		70 (39)	130 (175)
		2,4-DCAA	2	500	469	94		70 (39)	130 (175)
PB167020TB	PB167020TB	2,4-DCAA	1	500	525	105		70 (39)	130 (175)
		2,4-DCAA	2	500	417	83		70 (39)	130 (175)
Q1488-02	ENV-101-SB01	2,4-DCAA	1	500	458	92		70 (39)	130 (175)
		2,4-DCAA	2	500	343	69	*	70 (39)	130 (175)
Q1488-02MS	ENV-101-SB01MS	2,4-DCAA	1	500	489	98		70 (39)	130 (175)
		2,4-DCAA	2	500	365	73		70 (39)	130 (175)
Q1488-02MSD	ENV-101-SB01MSD	2,4-DCAA	1	500	483	97		70 (39)	130 (175)
		2,4-DCAA	2	500	356	71		70 (39)	130 (175)
I.BLK-PS029404.D	PIBLK-PS029404.D	2,4-DCAA	1	500	502	100		70 (39)	130 (175)
		2,4-DCAA	2	500	486	97		70 (39)	130 (175)
Q1488-04	ENV-101-SB02	2,4-DCAA	1	500	490	98		70 (39)	130 (175)
		2,4-DCAA	2	500	363	73		70 (39)	130 (175)
Q1488-06	ENV-102-SB01	2,4-DCAA	1	500	542	108		70 (39)	130 (175)
		2,4-DCAA	2	500	392	78		70 (39)	130 (175)
Q1488-08	ENV-102-SB02	2,4-DCAA	1	500	537	107		70 (39)	130 (175)
		2,4-DCAA	2	500	382	76		70 (39)	130 (175)
Q1488-10	ENV-104-SB01	2,4-DCAA	1	500	255	51	*	70 (39)	130 (175)
		2,4-DCAA	2	500	196	39	*	70 (39)	130 (175)
Q1488-12	ENV-104-SB02	2,4-DCAA	1	500	351	70		70 (39)	130 (175)
		2,4-DCAA	2	500	281	56	*	70 (39)	130 (175)
I.BLK-PS029416.D	PIBLK-PS029416.D	2,4-DCAA	1	500	502	100		70 (39)	130 (175)
		2,4-DCAA	2	500	493	99		70 (39)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

DataFile : PS029402.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1488-02MS	ENV-101-SB01MS											
	2,4-D	50	0	52.7	ug/L	105				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	70.2	ug/L	140	*			70 (62)	130 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

DataFile : PS029403.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1488-02MSD	ENV-101-SB01MSD											
	2,4-D	50	0	53.1	ug/L	106		1		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	75.8	ug/L	152	*	8		70 (62)	130 (139)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

Datafile : PS029398.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167090BS	2,4-D	5	4.80	ug/L	96				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.

PB167090BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1488

SAS No.: Q1488 SDG NO.: Q1488

Lab Sample ID: PB167090BL

Lab File ID: PS029397.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/11/2025

Date Analyzed (1): 03/12/2025

Date Analyzed (2): 03/12/2025

Time Analyzed (1): 09:57

Time Analyzed (2): 09:57

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
PB167090BS	PB167090BS	PS029398.D	03/12/2025	03/12/2025
PB167020TB	PB167020TB	PS029399.D	03/12/2025	03/12/2025
ENV-101-SB01	Q1488-02	PS029401.D	03/12/2025	03/12/2025
ENV-101-SB01MS	Q1488-02MS	PS029402.D	03/12/2025	03/12/2025
ENV-101-SB01MSD	Q1488-02MSD	PS029403.D	03/12/2025	03/12/2025
ENV-101-SB02	Q1488-04	PS029406.D	03/12/2025	03/12/2025
ENV-102-SB01	Q1488-06	PS029407.D	03/12/2025	03/12/2025
ENV-102-SB02	Q1488-08	PS029408.D	03/12/2025	03/12/2025
ENV-104-SB01	Q1488-10	PS029409.D	03/12/2025	03/12/2025
ENV-104-SB02	Q1488-12	PS029410.D	03/12/2025	03/12/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167090BL	SDG No.:	Q1488
Lab Sample ID:	PB167090BL	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
PS029397.D	1	03/11/25 11:30	03/12/25 09:57	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	482		70 (39) - 130 (175)	96%	SPK: 500

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/21/25
Client Sample ID:	PIBLK-PS029233.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PS029233.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
PS029233.D	1		02/21/25	ps022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	494		70 (39) - 130 (175)	99%	SPK: 500

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PS029395.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PS029395.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
PS029395.D	1		03/12/25	ps031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	500		70 (39) - 130 (175)	100%	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:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PS029404.D	SDG No.:	Q1488
Lab Sample ID:	I.BLK-PS029404.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
PS029404.D	1		03/12/25	ps031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	502		70 (39) - 130 (175)	100%	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:	03/12/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/12/25	
Client Sample ID:	PIBLK-PS029416.D		SDG No.:	Q1488	
Lab Sample ID:	I.BLK-PS029416.D		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
PS029416.D	1		03/12/25	ps031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	502		70 (39) - 130 (175)	100%	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 2025	Date Received:	
Client Sample ID:	PB167090BS	SDG No.:	Q1488
Lab Sample ID:	PB167090BS	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
PS029398.D	1	03/11/25 11:30	03/12/25 10:21	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.80		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.10		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	521		70 (39) - 130 (175)	104%	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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MS	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
PS029402.D	1	03/11/25 11:30	03/12/25 12:14	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	52.7		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	70.2	P	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	489		70 (39) - 130 (175)	98%	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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MSD	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
PS029403.D	1	03/11/25 11:30	03/12/25 12:38	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	53.1		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	75.8	P	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	483		70 (39) - 130 (175)	97%	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]

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

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488

Instrument ID: ECD_S **Calibration Date(s):** 02/21/2025 02/21/2025
Calibration Times: 19:56 21:32

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

LAB FILE ID:		CF 200 = <u>PS029234.D</u>	CF 500 = <u>PS029235.D</u>				
CF 750 = <u>PS029236.D</u>		CF 1000 = <u>PS029237.D</u>	CF 1500 = <u>PS029238.D</u>				
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	28468600000	25326000000	23950000000	23359600000	21830500000	24586900000	10
2,4-D	5578960000	4794680000	4576300000	4498750000	4303460000	4750430000	10
2,4-DCAA	4834500000	4175340000	3953240000	3904380000	3735430000	4120580000	10

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488

Instrument ID: ECD_S **Calibration Date(s):** 02/21/2025 02/21/2025
Calibration Times: 19:56 21:32

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

LAB FILE ID:		CF 200 =	<u>PS029234.D</u>	CF 500 =	<u>PS029235.D</u>		
CF 750 =		<u>PS029236.D</u>	CF 1000 =	<u>PS029237.D</u>	CF 1500 =	<u>PS029238.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	9297750000	9072730000	8996050000	9011120000	8805850000	9036700000	2
2,4-D	1363000000	1257020000	1239960000	1254990000	1234500000	1269900000	4
2,4-DCAA	1014780000	934728000	917942000	923871000	910342000	940333000	5

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 09:27 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.13	9.14	9.04	9.24	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 09:27 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL01 Date Analyzed: 03/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS029396.D Time Analyzed: 09:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.132	9.038	9.238	754.570	712.500	5.9
2,4-D	8.267	8.171	8.371	724.490	705.000	2.8
2,4-DCAA	7.156	7.060	7.260	777.430	750.000	3.7

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL01 Date Analyzed: 03/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS029396.D Time Analyzed: 09:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.741	9.656	9.856	742.300	712.500	4.2
2,4-D	8.848	8.761	8.961	701.440	705.000	-0.5
2,4-DCAA	7.620	7.532	7.732	730.650	750.000	-2.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 13:26 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.13	9.14	9.04	9.24	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 13:26 Initial Calibration Time(s): 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL02 Date Analyzed: 03/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS029405.D Time Analyzed: 13:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.132	9.038	9.238	769.220	712.500	8.0
2,4-D	8.266	8.171	8.371	737.740	705.000	4.6
2,4-DCAA	7.155	7.060	7.260	795.560	750.000	6.1

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL02 Date Analyzed: 03/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS029405.D Time Analyzed: 13:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.741	9.656	9.856	758.770	712.500	6.5
2,4-D	8.847	8.761	8.961	719.310	705.000	2.0
2,4-DCAA	7.619	7.532	7.732	746.890	750.000	-0.4

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 18:15 Initial Calibration Time(s): 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.15	7.16	7.06	7.26	0.01
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.13	9.14	9.04	9.24	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1488 **SAS No.:** Q1488 **SDG NO.:** Q1488

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 18:15 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL03 Date Analyzed: 03/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS029417.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.131	9.038	9.238	768.960	712.500	7.9
2,4-D	8.267	8.171	8.371	735.450	705.000	4.3
2,4-DCAA	7.154	7.060	7.260	797.340	750.000	6.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL03 Date Analyzed: 03/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS029417.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.739	9.656	9.856	761.330	712.500	6.9
2,4-D	8.846	8.761	8.961	720.000	705.000	2.1
2,4-DCAA	7.619	7.532	7.732	749.630	750.000	0.0

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1488	
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_S	
GC Column: RTX-CLP	ID: 0.32 (mm)	Inst. Calib. Date(s): 02/21/2025 02/21/2025

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	02/21/2025	19:32	PS029233.D	7.16	0.00
HSTDICC200	HSTDICC200	02/21/2025	19:56	PS029234.D	7.16	0.00
HSTDICC500	HSTDICC500	02/21/2025	20:20	PS029235.D	7.16	0.00
HSTDICC750	HSTDICC750	02/21/2025	20:44	PS029236.D	7.16	0.00
HSTDICC1000	HSTDICC1000	02/21/2025	21:08	PS029237.D	7.16	0.00
HSTDICC1500	HSTDICC1500	02/21/2025	21:32	PS029238.D	7.16	0.00
IBLK	IBLK	03/12/2025	09:03	PS029395.D	7.16	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	09:27	PS029396.D	7.16	0.00
PB167090BL	PB167090BL	03/12/2025	09:57	PS029397.D	7.16	0.00
PB167090BS	PB167090BS	03/12/2025	10:21	PS029398.D	7.16	0.00
PB167020TB	PB167020TB	03/12/2025	10:45	PS029399.D	7.15	0.00
ENV-101-SB01	Q1488-02	03/12/2025	11:50	PS029401.D	7.16	0.00
ENV-101-SB01MS	Q1488-02MS	03/12/2025	12:14	PS029402.D	7.16	0.00
ENV-101-SB01MSD	Q1488-02MSD	03/12/2025	12:38	PS029403.D	7.16	0.00
IBLK	IBLK	03/12/2025	13:02	PS029404.D	7.16	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	13:26	PS029405.D	7.16	0.00
ENV-101-SB02	Q1488-04	03/12/2025	13:50	PS029406.D	7.16	0.00
ENV-102-SB01	Q1488-06	03/12/2025	14:14	PS029407.D	7.16	0.00
ENV-102-SB02	Q1488-08	03/12/2025	14:38	PS029408.D	7.16	0.00
ENV-104-SB01	Q1488-10	03/12/2025	15:02	PS029409.D	7.16	0.00
ENV-104-SB02	Q1488-12	03/12/2025	15:27	PS029410.D	7.16	0.00
IBLK	IBLK	03/12/2025	17:51	PS029416.D	7.16	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	18:15	PS029417.D	7.15	0.00

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1488
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 02/21/2025 02/21/2025

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	02/21/2025	19:32	PS029233.D	7.63	0.00
HSTDICC200	HSTDICC200	02/21/2025	19:56	PS029234.D	7.63	0.00
HSTDICC500	HSTDICC500	02/21/2025	20:20	PS029235.D	7.63	0.00
HSTDICC750	HSTDICC750	02/21/2025	20:44	PS029236.D	7.63	0.00
HSTDICC1000	HSTDICC1000	02/21/2025	21:08	PS029237.D	7.63	0.00
HSTDICC1500	HSTDICC1500	02/21/2025	21:32	PS029238.D	7.63	0.00
IBLK	IBLK	03/12/2025	09:03	PS029395.D	7.62	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	09:27	PS029396.D	7.62	0.00
PB167090BL	PB167090BL	03/12/2025	09:57	PS029397.D	7.62	0.00
PB167090BS	PB167090BS	03/12/2025	10:21	PS029398.D	7.62	0.00
PB167020TB	PB167020TB	03/12/2025	10:45	PS029399.D	7.62	0.00
ENV-101-SB01	Q1488-02	03/12/2025	11:50	PS029401.D	7.62	0.00
ENV-101-SB01MS	Q1488-02MS	03/12/2025	12:14	PS029402.D	7.62	0.00
ENV-101-SB01MSD	Q1488-02MSD	03/12/2025	12:38	PS029403.D	7.62	0.00
IBLK	IBLK	03/12/2025	13:02	PS029404.D	7.62	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	13:26	PS029405.D	7.62	0.00
ENV-101-SB02	Q1488-04	03/12/2025	13:50	PS029406.D	7.62	0.00
ENV-102-SB01	Q1488-06	03/12/2025	14:14	PS029407.D	7.62	0.00
ENV-102-SB02	Q1488-08	03/12/2025	14:38	PS029408.D	7.62	0.00
ENV-104-SB01	Q1488-10	03/12/2025	15:02	PS029409.D	7.62	0.00
ENV-104-SB02	Q1488-12	03/12/2025	15:27	PS029410.D	7.62	0.00
IBLK	IBLK	03/12/2025	17:51	PS029416.D	7.62	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	18:15	PS029417.D	7.62	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

ENV-101-SB01MS

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab Sample ID: Q1488-02MS Date(s) Analyzed: 03/12/2025 03/12/2025

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	8.27	8.22	8.32	52.7	7.7
	2	8.85	8.80	8.90	48.8	
2,4,5-TP(Silvex)	1	9.13	9.08	9.18	52.1	29.6
	2	9.74	9.69	9.79	70.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

ENV-101-SB01MSD

Contract: PORT06

Lab Code: CHEM

Case No.: Q1488

SAS No.: Q1488

SDG NO.: Q1488

Lab Sample ID: Q1488-02MSD

Date(s) Analyzed: 03/12/2025

03/12/2025

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	8.27	8.22	8.32	53.1	7.2
	2	8.85	8.80	8.90	49.4	
2,4,5-TP(Silvex)	1	9.13	9.08	9.18	52.1	37.1
	2	9.74	9.69	9.79	75.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167090BS

Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab Sample ID: PB167090BS Date(s) Analyzed: 03/12/2025 03/12/2025

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	9.13	9.08	9.18	5.10	8.2
	2	9.74	9.69	9.79	4.70	
2,4-D	1	8.27	8.22	8.32	4.80	6.5
	2	8.85	8.80	8.90	4.50	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029399.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 10:45
 Operator : AR\AJ
 Sample : PB167020TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167020TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
 Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:28:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.154	7.619	2163.5E6	392.2E6	525.055m	417.133

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 10:45
Operator : AR\AJ
Sample : PB167020TB
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167020TB

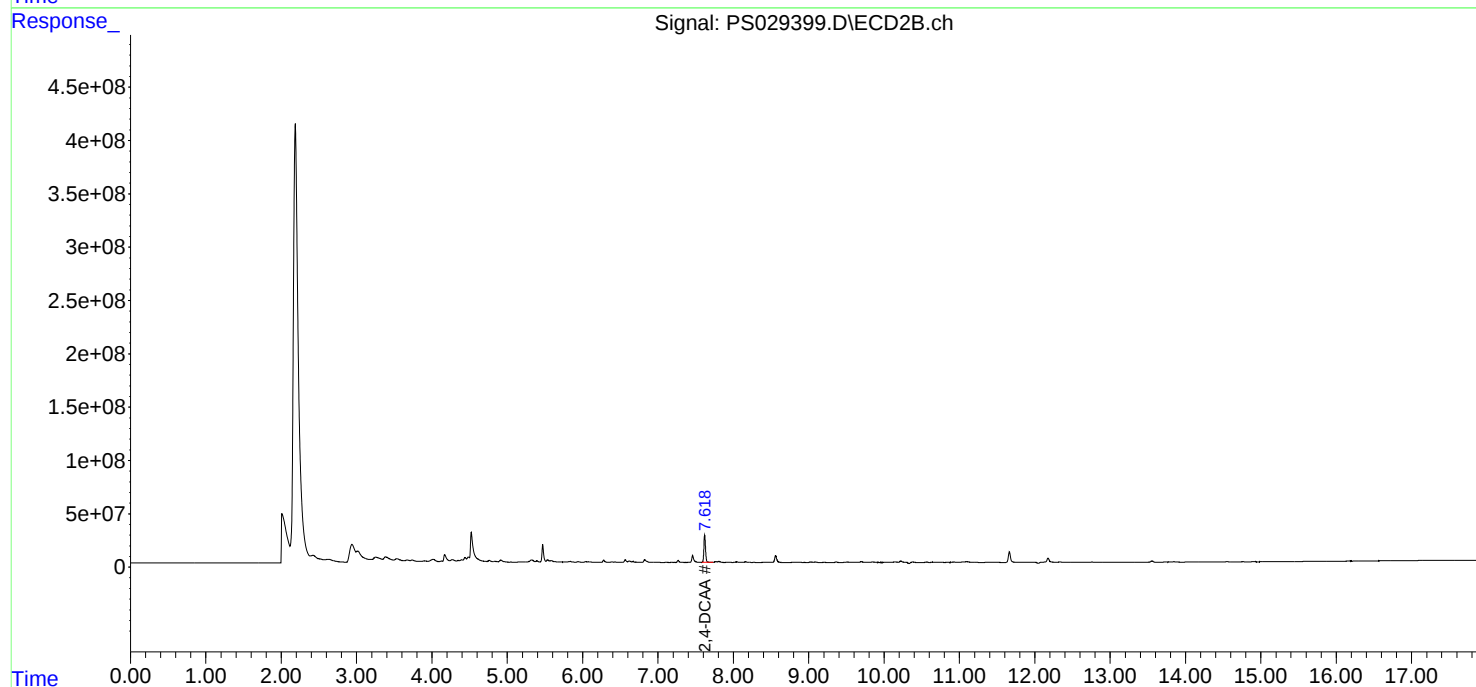
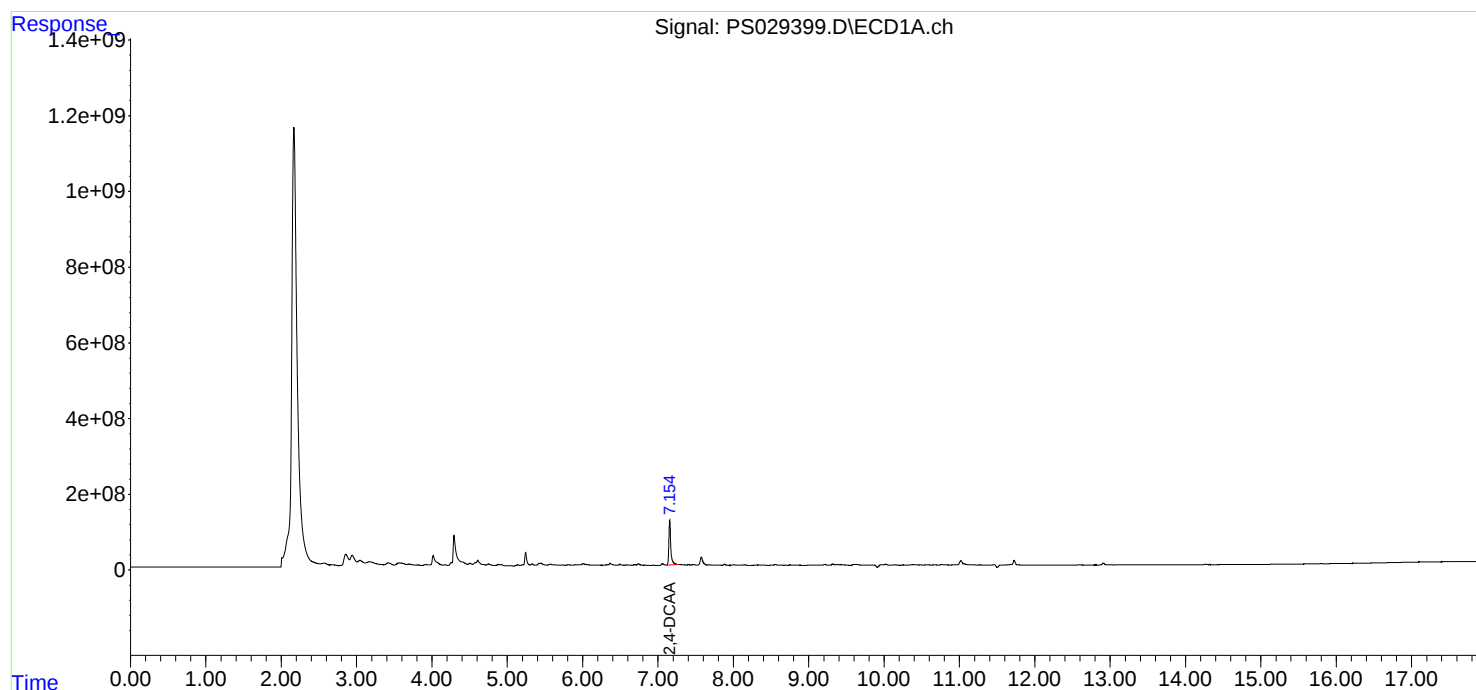
Manual Integrations**APPROVED**

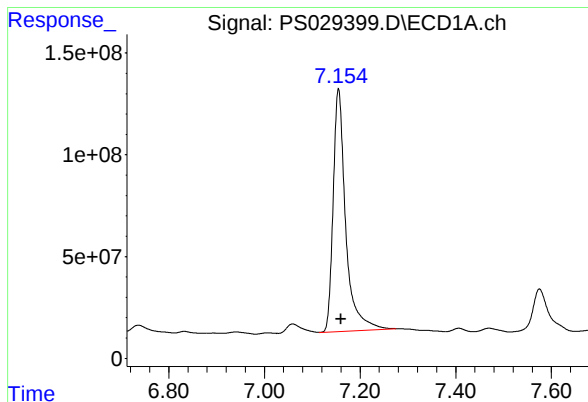
Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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





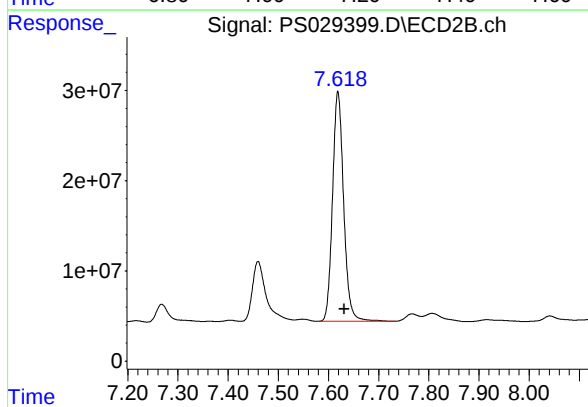
#4 2,4-DCAA

R.T.: 7.154 min
Delta R.T.: -0.005 min
Response: 2163529663
Conc: 525.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167020TB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#4 2,4-DCAA

R.T.: 7.619 min
Delta R.T.: -0.013 min
Response: 392243356
Conc: 417.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029401.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 11:50
 Operator : AR\AJ
 Sample : Q1488-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ENV-101-SB01

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:29:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.158	7.617	1885.5E6	322.4E6	457.574	342.904 #
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Target Compounds

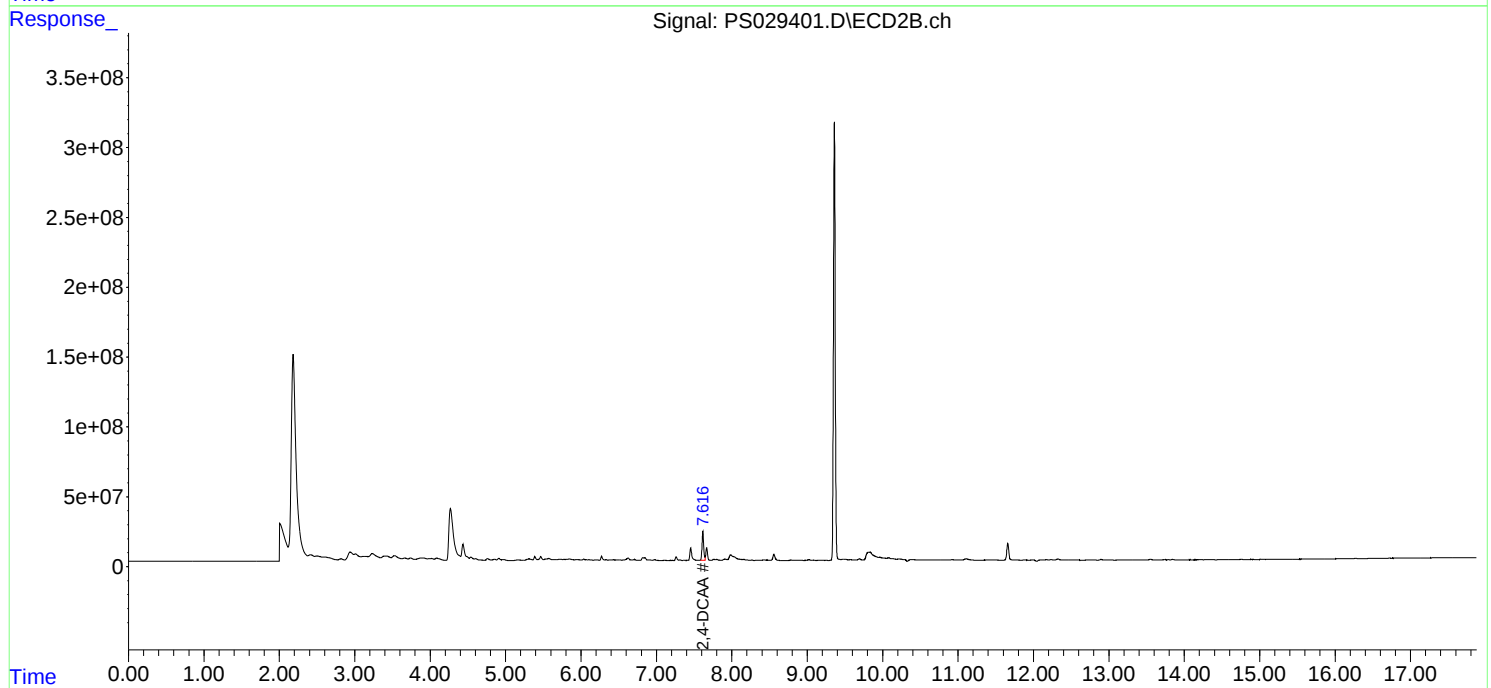
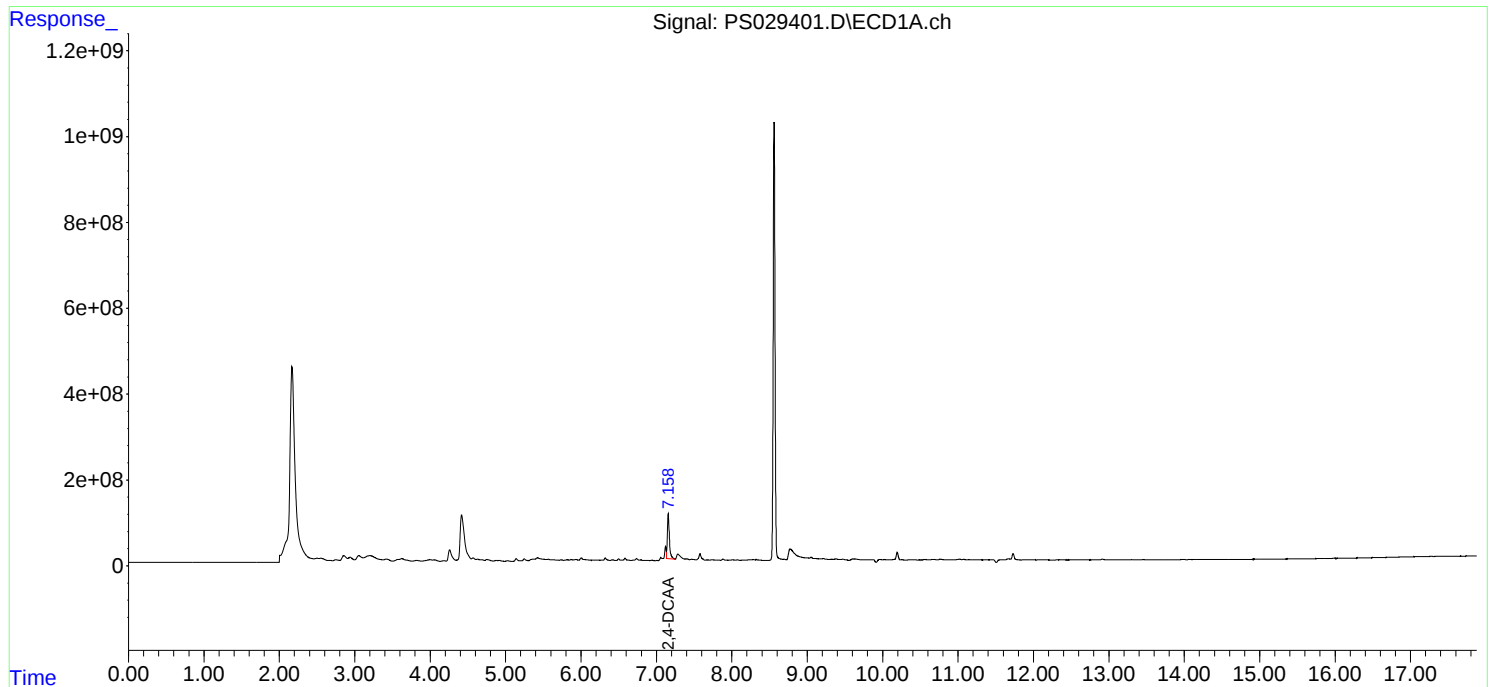
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

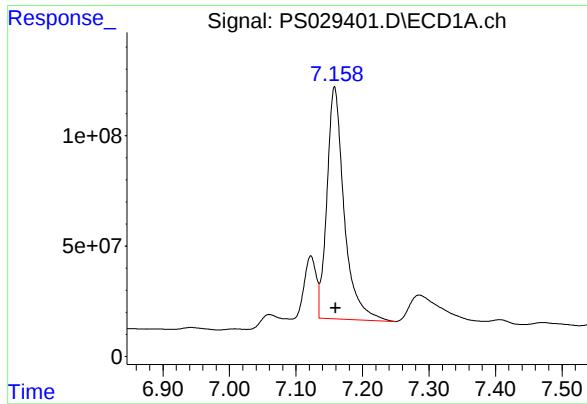
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 11:50
Operator : AR\AJ
Sample : Q1488-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ENV-101-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:29:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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

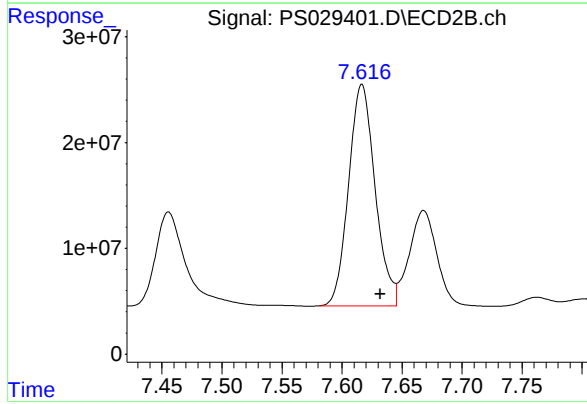




#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 1885467323
Conc: 457.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
ENV-101-SB01



#4 2,4-DCAA

R.T.: 7.617 min
Delta R.T.: -0.015 min
Response: 322443923
Conc: 342.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029406.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 13:50
 Operator : AR\AJ
 Sample : Q1488-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ENV-101-SB02

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
 Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:30:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.155	7.619	2018.9E6	340.9E6	489.952m	362.498m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 13:50
Operator : AR\AJ
Sample : Q1488-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

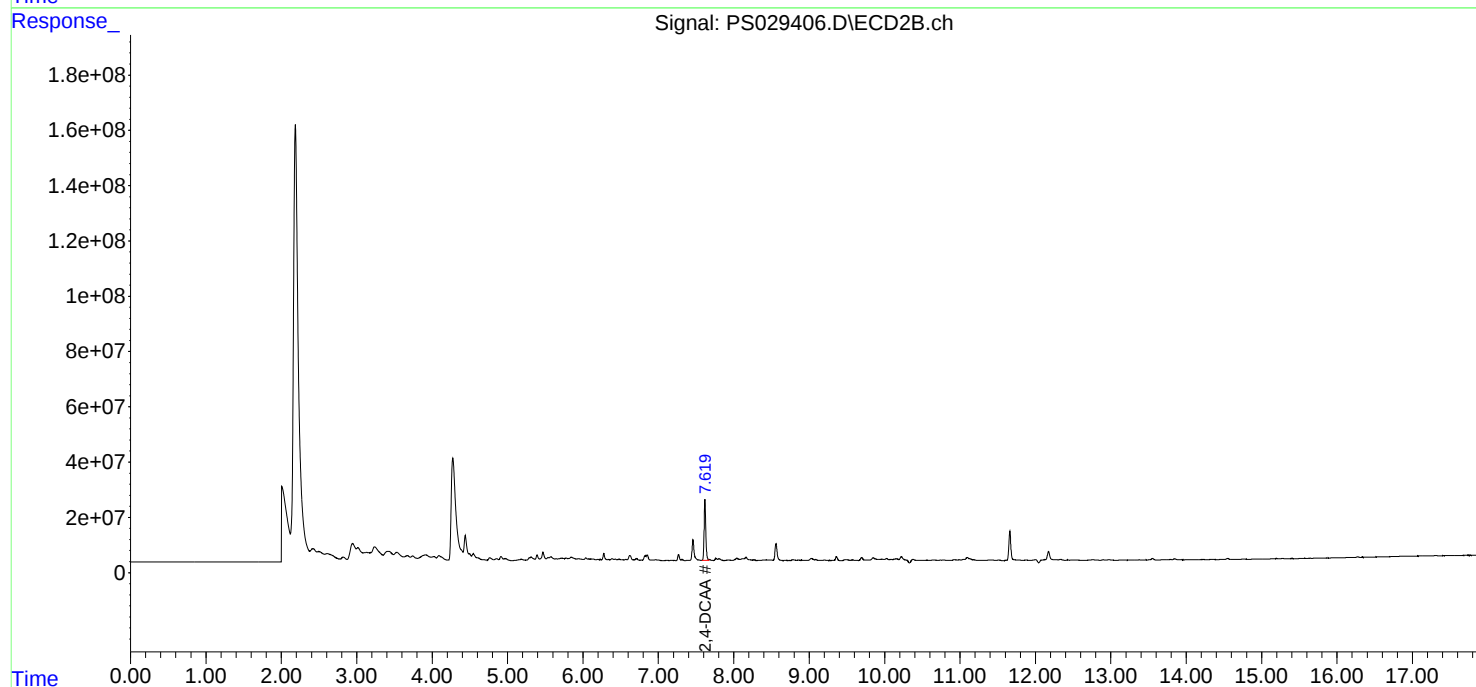
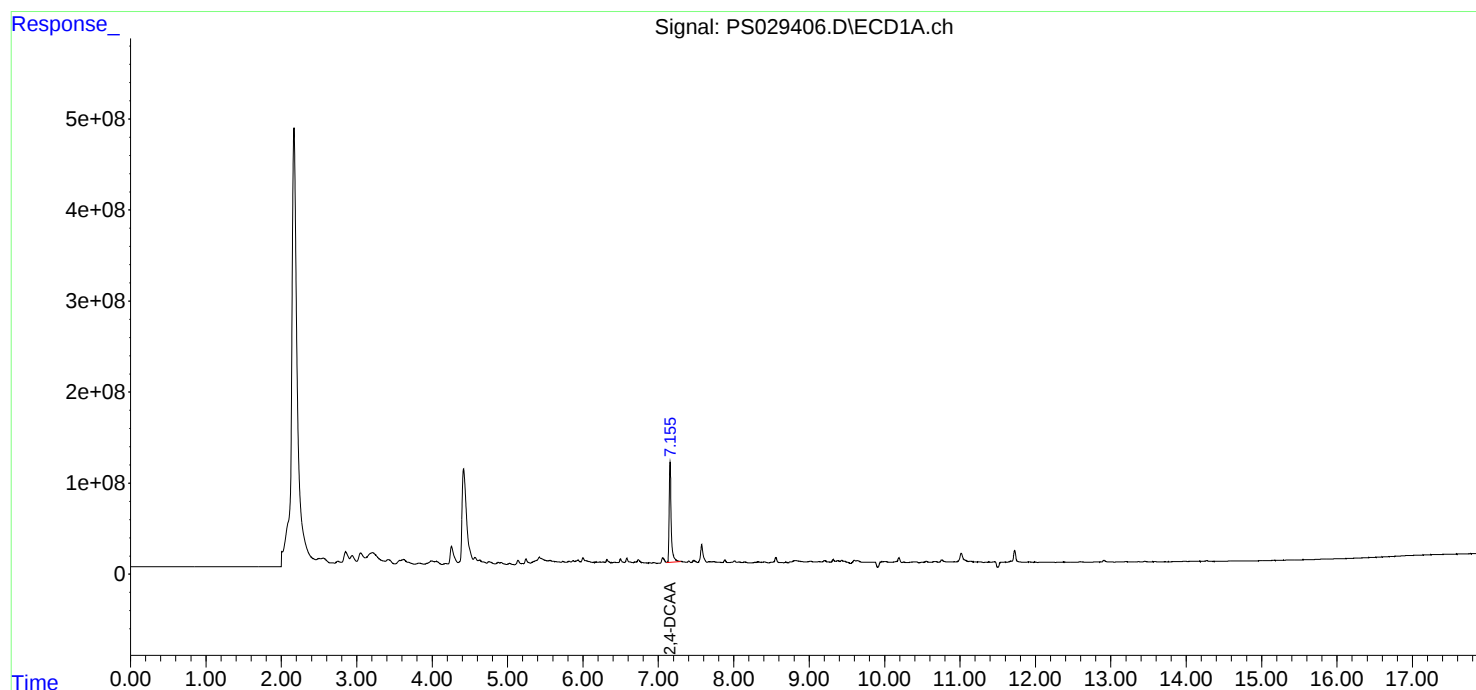
Instrument :
ECD_S
ClientSampleId :
ENV-101-SB02

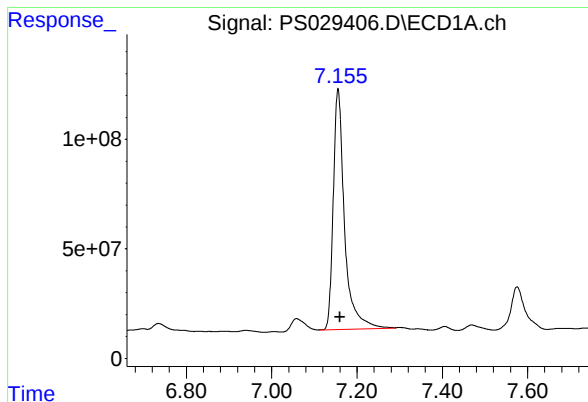
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:30:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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





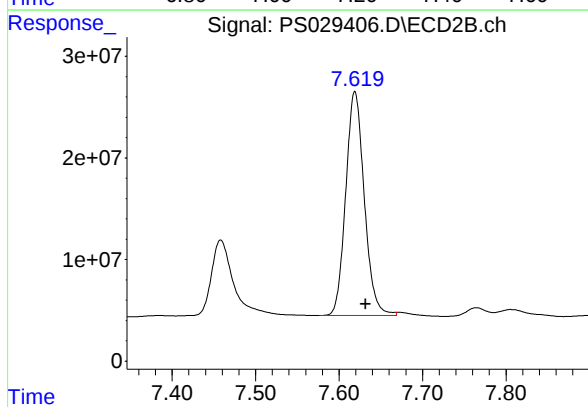
#4 2,4-DCAA

R.T.: 7.155 min
Delta R.T.: -0.005 min
Response: 2018887357
Conc: 489.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
ENV-101-SB02

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#4 2,4-DCAA

R.T.: 7.619 min
Delta R.T.: -0.013 min
Response: 340868419
Conc: 362.50 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029407.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 14:14
 Operator : AR\AJ
 Sample : Q1488-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ENV-102-SB01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
 Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:30:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.155	7.618	2232.7E6	368.6E6	541.853m	391.940m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 14:14
Operator : AR\AJ
Sample : Q1488-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

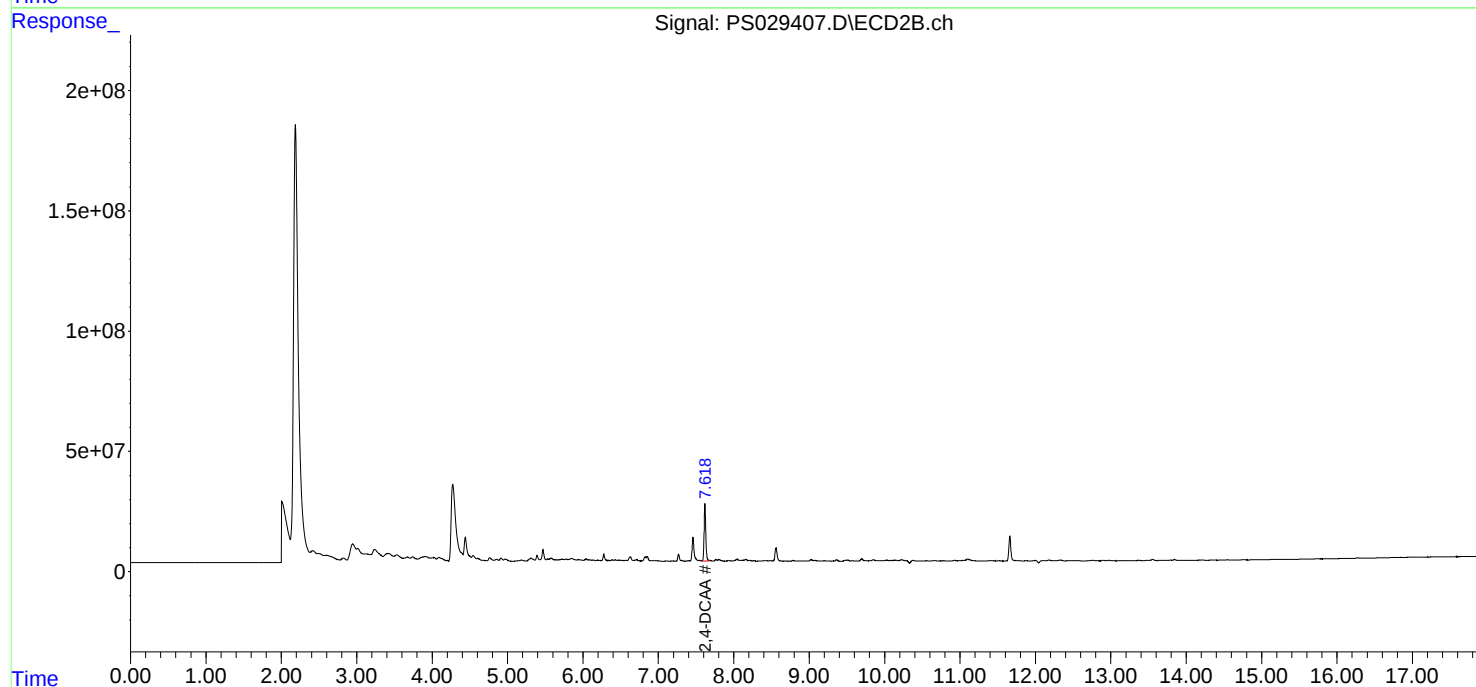
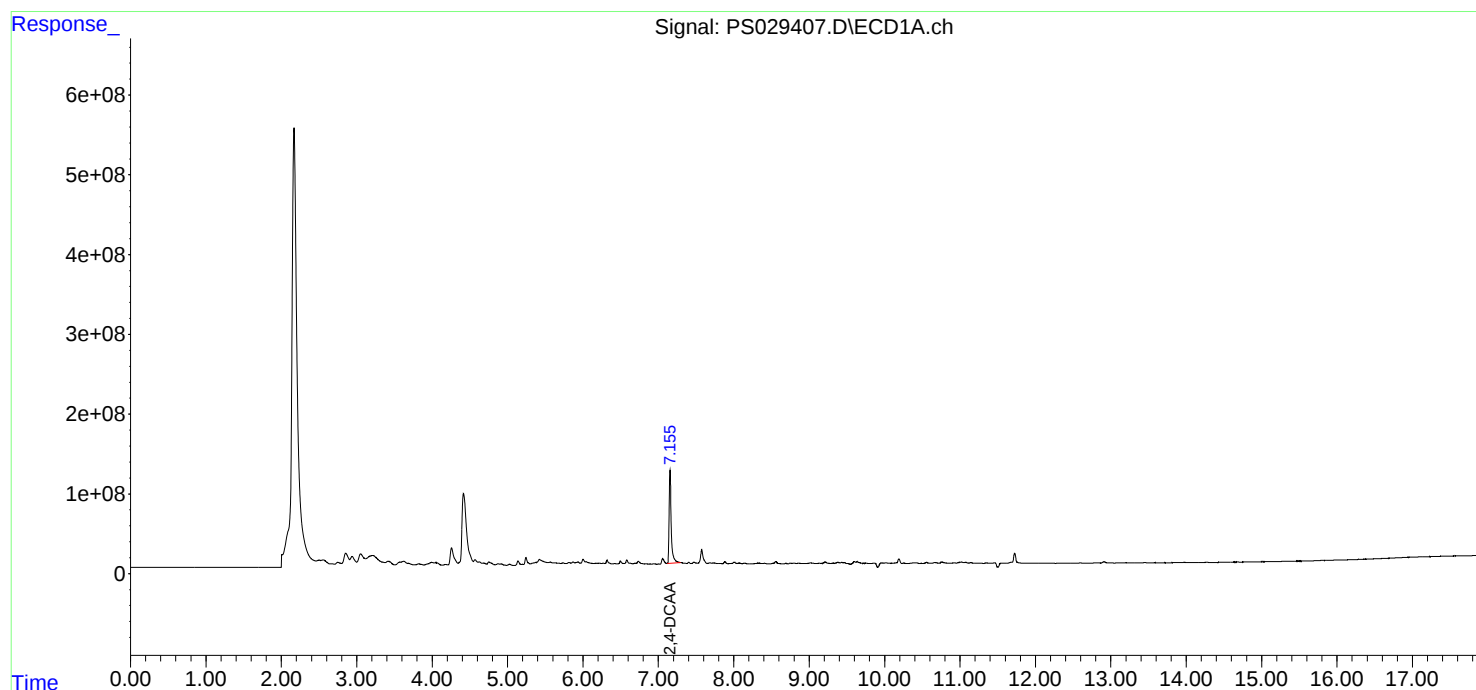
Instrument :
ECD_S
ClientSampleId :
ENV-102-SB01

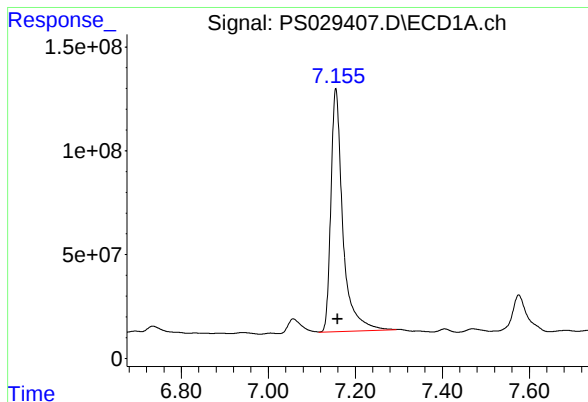
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:30:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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





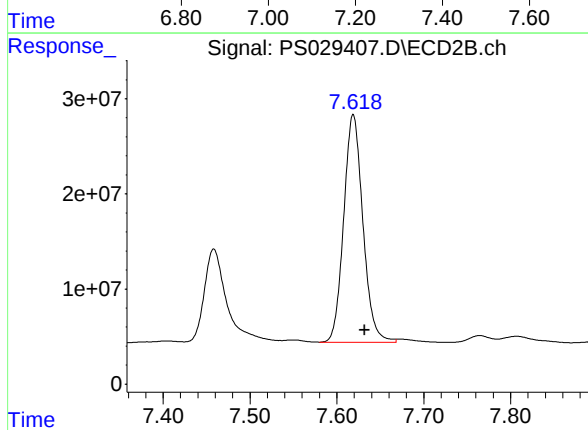
#4 2,4-DCAA

R.T.: 7.155 min
Delta R.T.: -0.005 min
Response: 2232747485
Conc: 541.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
ENV-102-SB01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#4 2,4-DCAA

R.T.: 7.618 min
Delta R.T.: -0.014 min
Response: 368554347
Conc: 391.94 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029408.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 14:38
 Operator : AR\AJ
 Sample : Q1488-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ENV-102-SB02

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
 Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:30:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.155	7.618	2214.2E6	359.1E6	537.342m	381.932m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 14:38
Operator : AR\AJ
Sample : Q1488-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

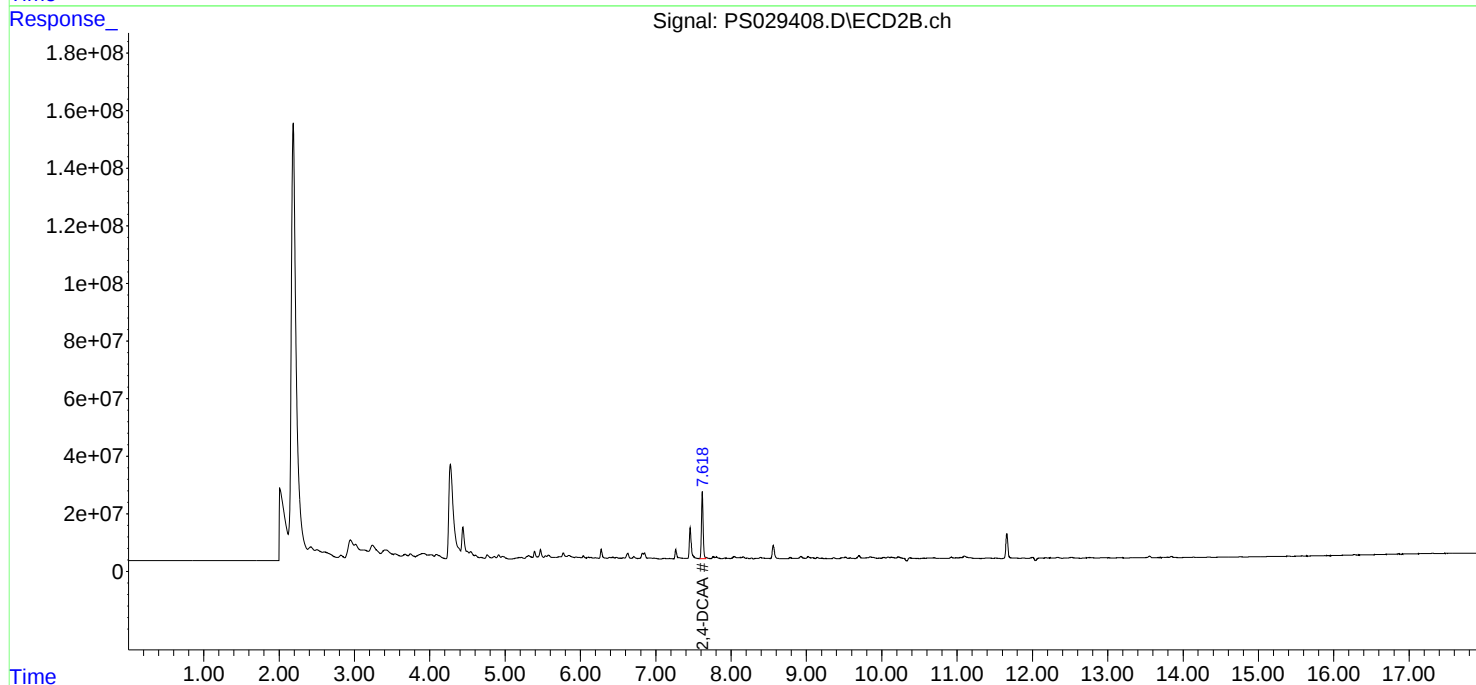
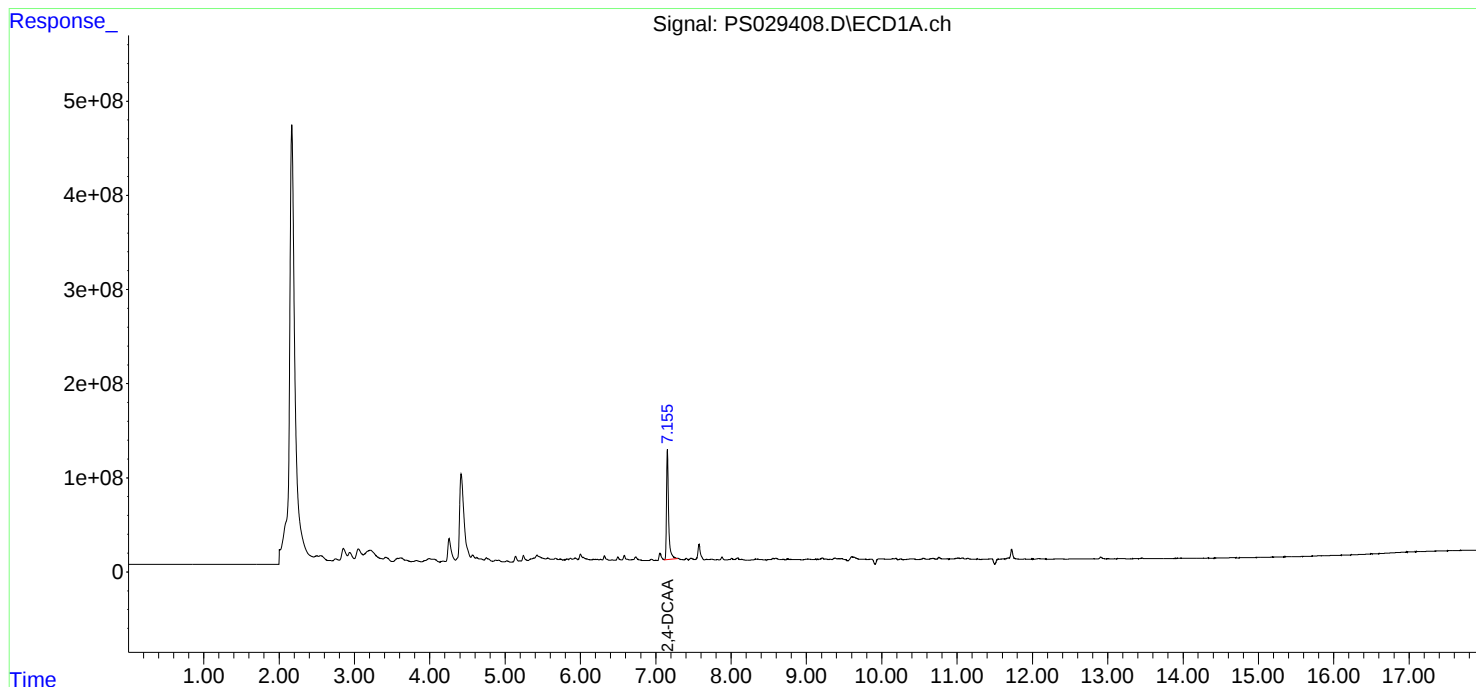
Instrument :
ECD_S
ClientSampleId :
ENV-102-SB02

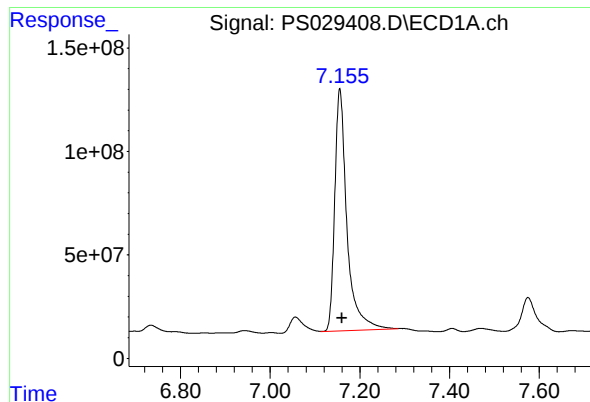
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/13/2025
Supervised By : Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:30:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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





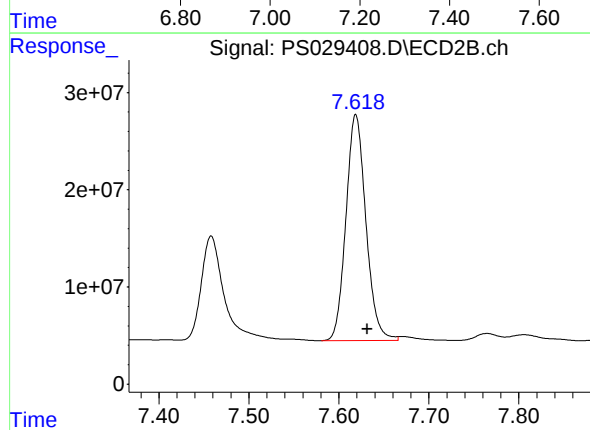
#4 2,4-DCAA

R.T.: 7.155 min
Delta R.T.: -0.005 min
Response: 2214158385
Conc: 537.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
ENV-102-SB02

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#4 2,4-DCAA

R.T.: 7.618 min
Delta R.T.: -0.014 min
Response: 359143211
Conc: 381.93 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029409.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 15:02
 Operator : AR\AJ
 Sample : Q1488-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ENV-104-SB01

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:30:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.156	7.619	1050.5E6	184.7E6	254.947	196.418
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Target Compounds

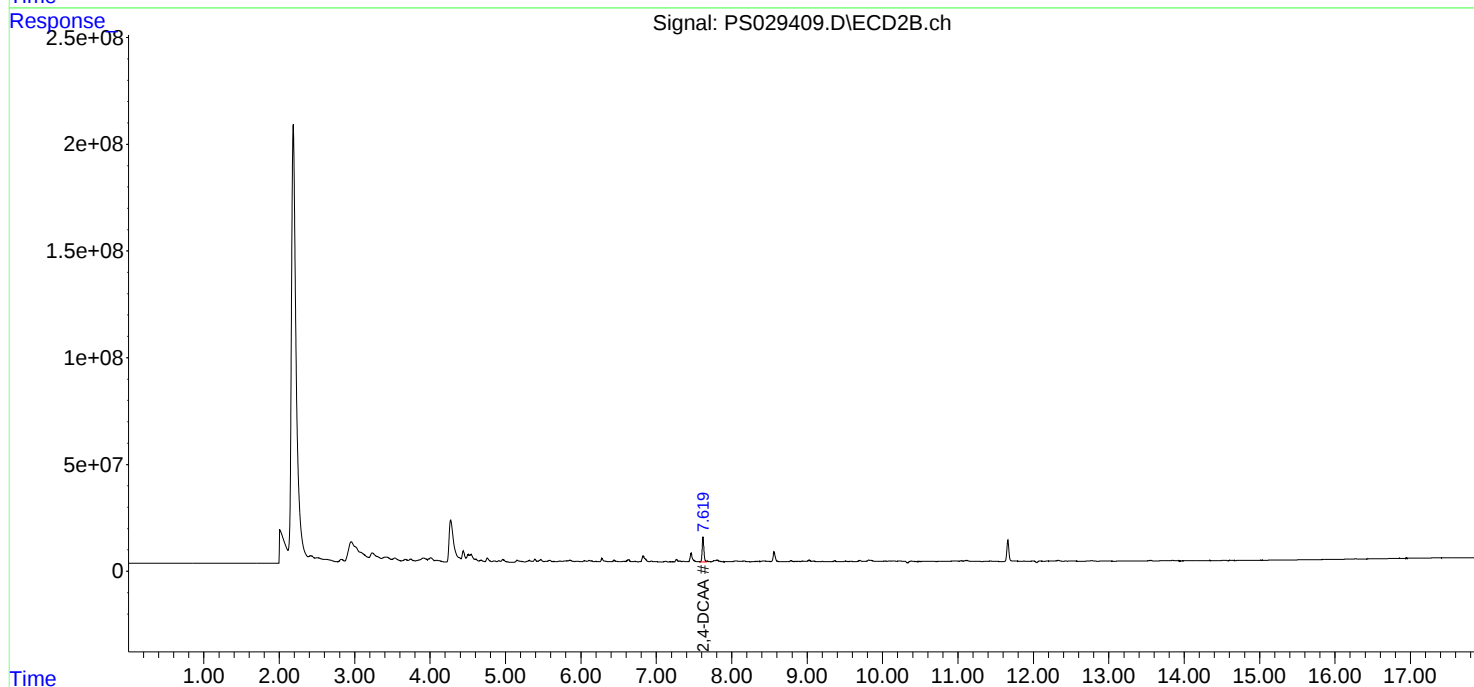
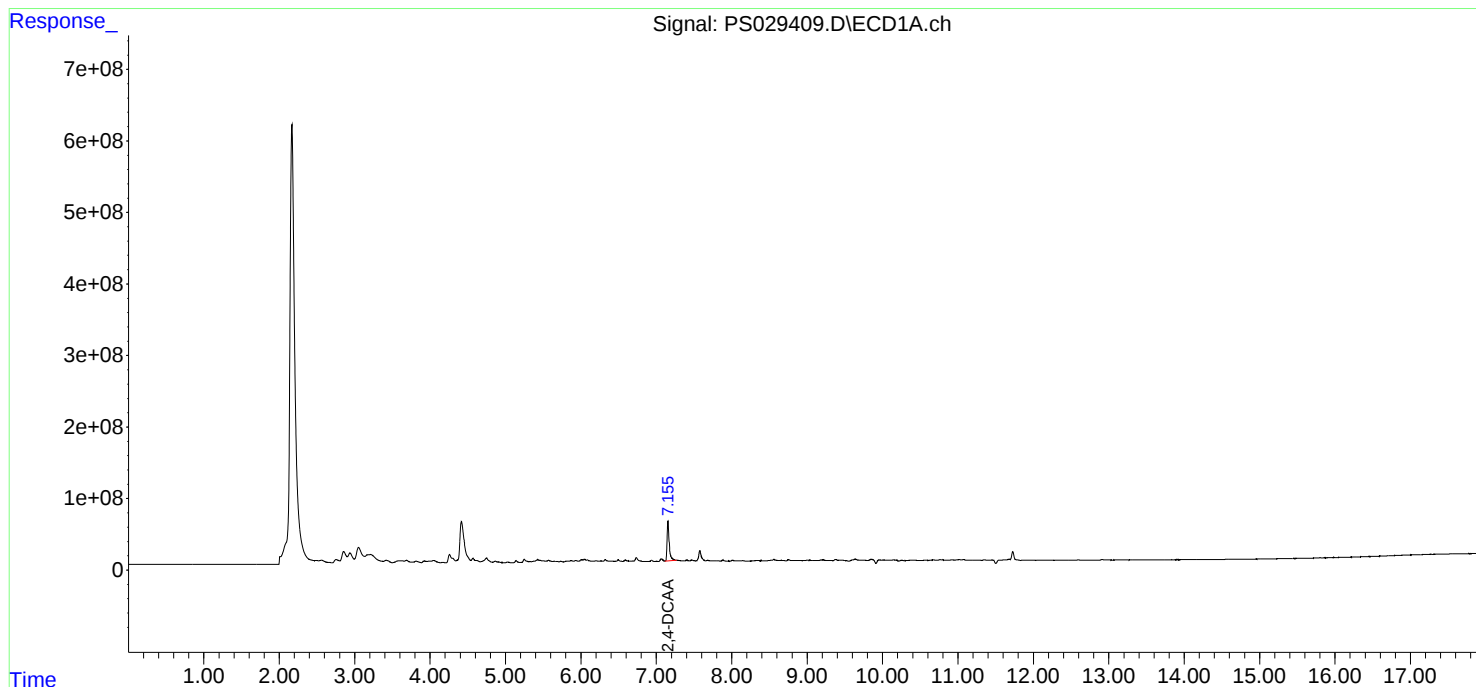
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

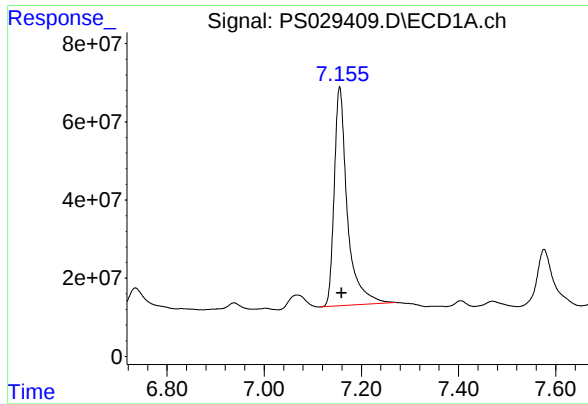
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 15:02
Operator : AR\AJ
Sample : Q1488-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ENV-104-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:30:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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

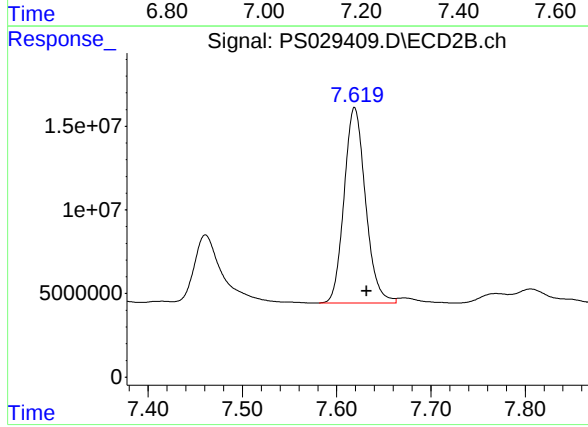




#4 2,4-DCAA

R.T.: 7.156 min
Delta R.T.: -0.004 min
Response: 1050528376
Conc: 254.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
ENV-104-SB01



#4 2,4-DCAA

R.T.: 7.619 min
Delta R.T.: -0.013 min
Response: 184698120
Conc: 196.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029410.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 15:27
 Operator : AR\AJ
 Sample : Q1488-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ENV-104-SB02

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: Mar 13 02:31:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.155	7.619	1446.2E6	264.2E6	350.971	280.965

Target Compounds

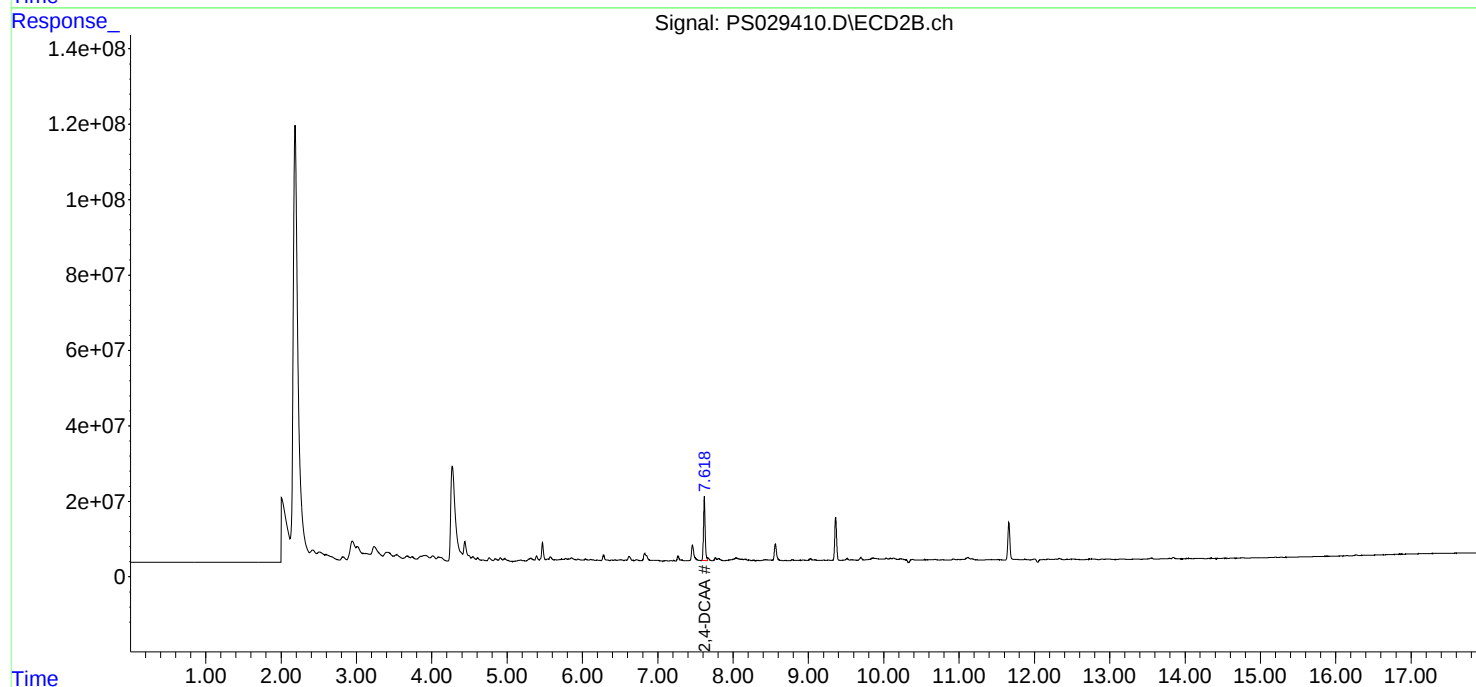
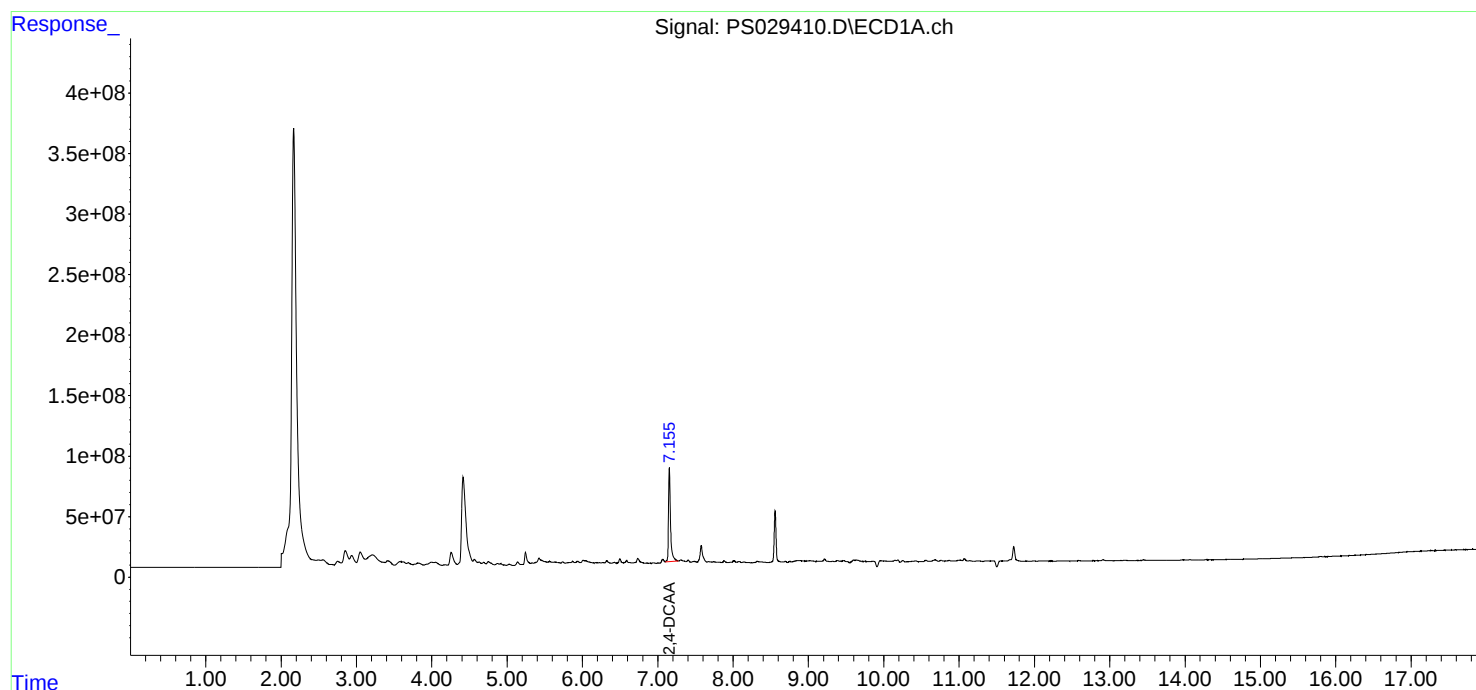
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

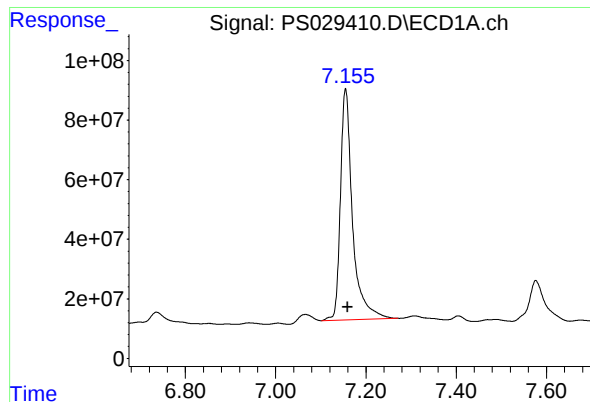
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 15:27
Operator : AR\AJ
Sample : Q1488-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ENV-104-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:31:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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

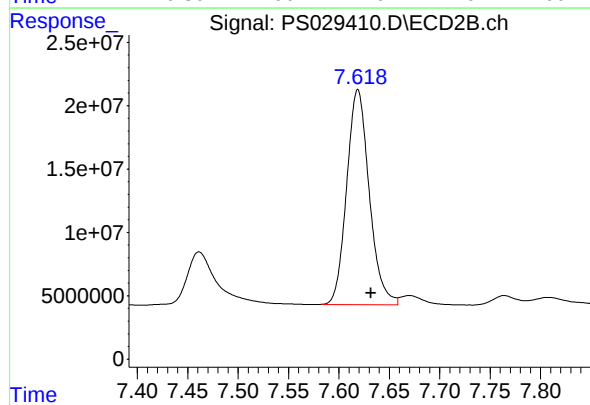




#4 2,4-DCAA

R.T.: 7.155 min
Delta R.T.: -0.005 min
Response: 1446203268
Conc: 350.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
ENV-104-SB02



#4 2,4-DCAA

R.T.: 7.619 min
Delta R.T.: -0.013 min
Response: 264200374
Conc: 280.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029397.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 09:57
 Operator : AR\AJ
 Sample : PB167090BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167090BL

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: Mar 13 02:28:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.157	7.618	1984.7E6	401.4E6	481.668	426.855
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Target Compounds

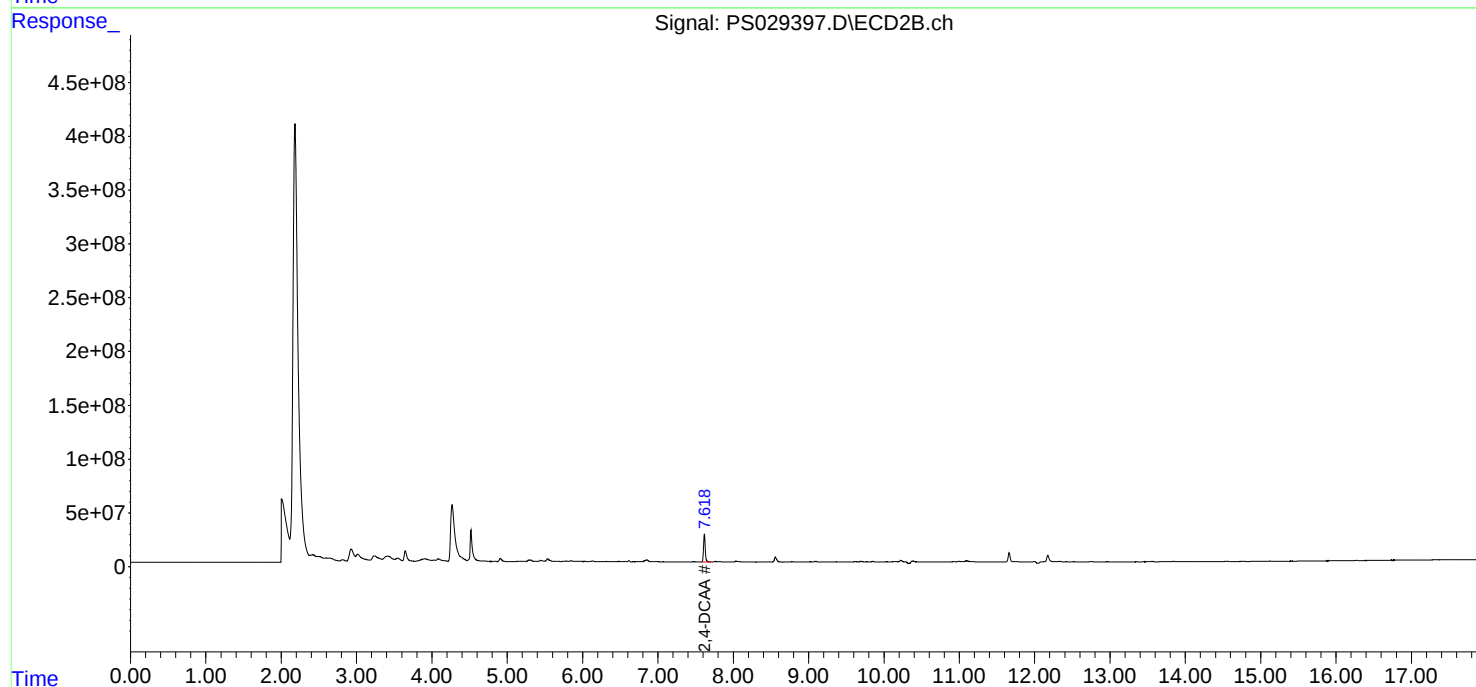
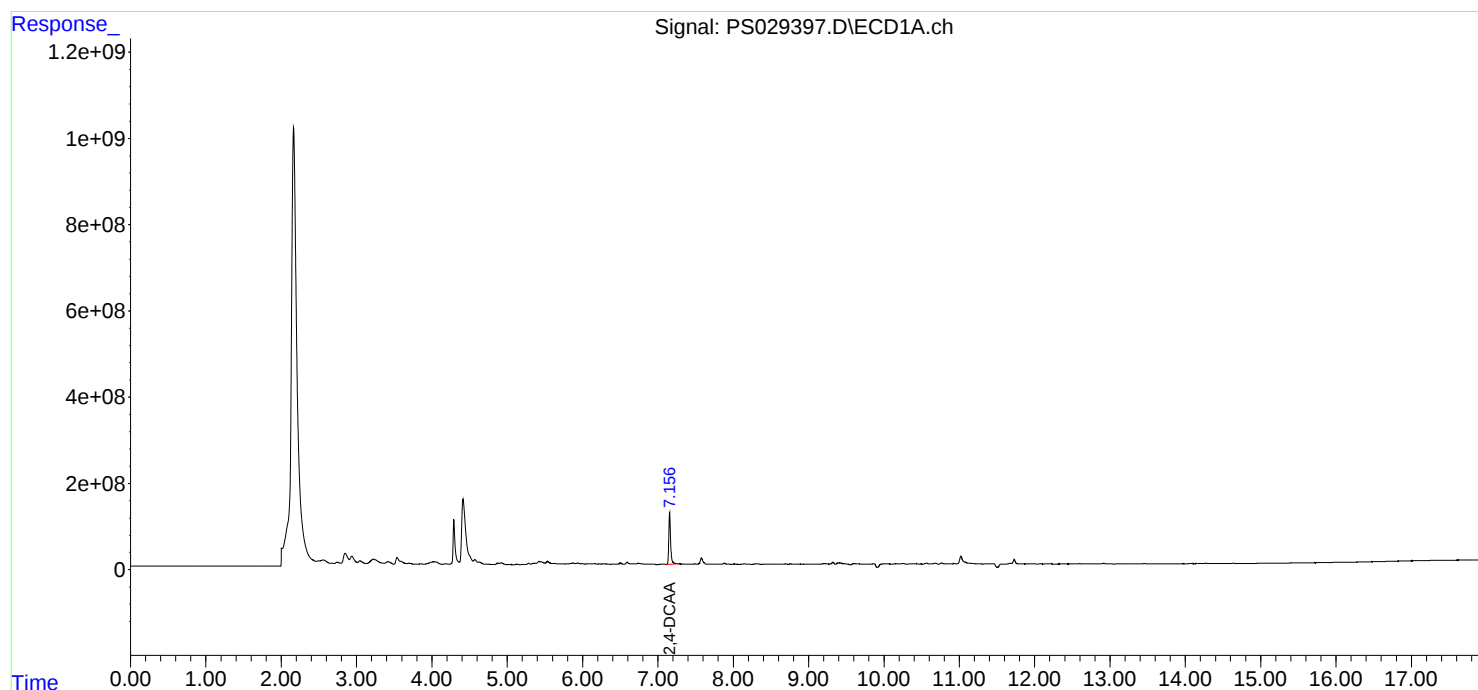
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

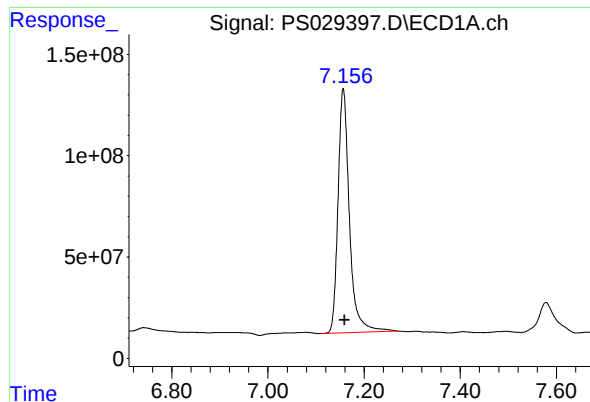
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 09:57
Operator : AR\AJ
Sample : PB167090BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167090BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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

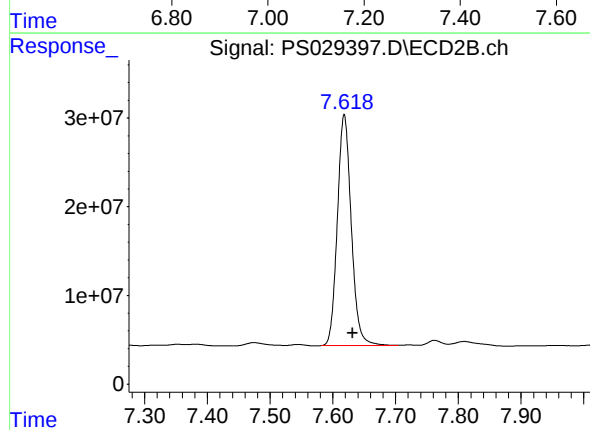




#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 1984749906
Conc: 481.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167090BL



#4 2,4-DCAA

R.T.: 7.618 min
Delta R.T.: -0.014 min
Response: 401385970
Conc: 426.86 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
 Data File : PS029398.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 10:21
 Operator : AR\AJ
 Sample : PB167090BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167090BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:28:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.156	7.620	2145.3E6	441.0E6	520.621	468.998
Target Compounds							
1) T	Dalapon	2.598	2.644	2585.9E6	951.5E6	468.442	449.438
2) T	3,5-DICHL...	6.338	6.595	2863.8E6	623.4E6	489.448	440.249
3) T	4-Nitroph...	6.957	7.153	966.2E6	333.1E6	412.870	417.664
5) T	DICAMBA	7.337	7.813	8630.9E6	2303.0E6	497.000	446.932m
6) T	MCP	7.516	7.917	529.3E6	100.2E6	42.944	42.819
7) T	MCPA	7.663	8.156	786.9E6	139.8E6	46.439	43.815
8) T	DICHLORPROP	8.037	8.523	2253.7E6	585.9E6	490.318	458.155
9) T	2,4-D	8.268	8.848	2291.3E6	576.8E6	482.338	454.200
10) T	Pentachlo...	8.558	9.364	33171.8E6	11102.8E6	568.436	482.465
11) T	2,4,5-TP ...	9.132	9.741	12560.8E6	4277.8E6	510.871	473.378
12) T	2,4,5-T	9.424	10.155	12911.2E6	3787.7E6	506.547	461.338
13) T	2,4-DB	9.993	10.718	1928.9E6	362.3E6	461.965	473.273m
14) T	DINOSEB	11.185	11.093	8178.4E6	2708.4E6	491.764m	446.818m
15) T	Picloram	11.002	12.167	13656.6E6	4781.1E6	447.121	413.502
16) T	DCPA	11.482	12.126	15402.3E6	5660.9E6	513.349	478.255

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 10:21
Operator : AR\AJ
Sample : PB167090BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167090BS

Manual Integrations

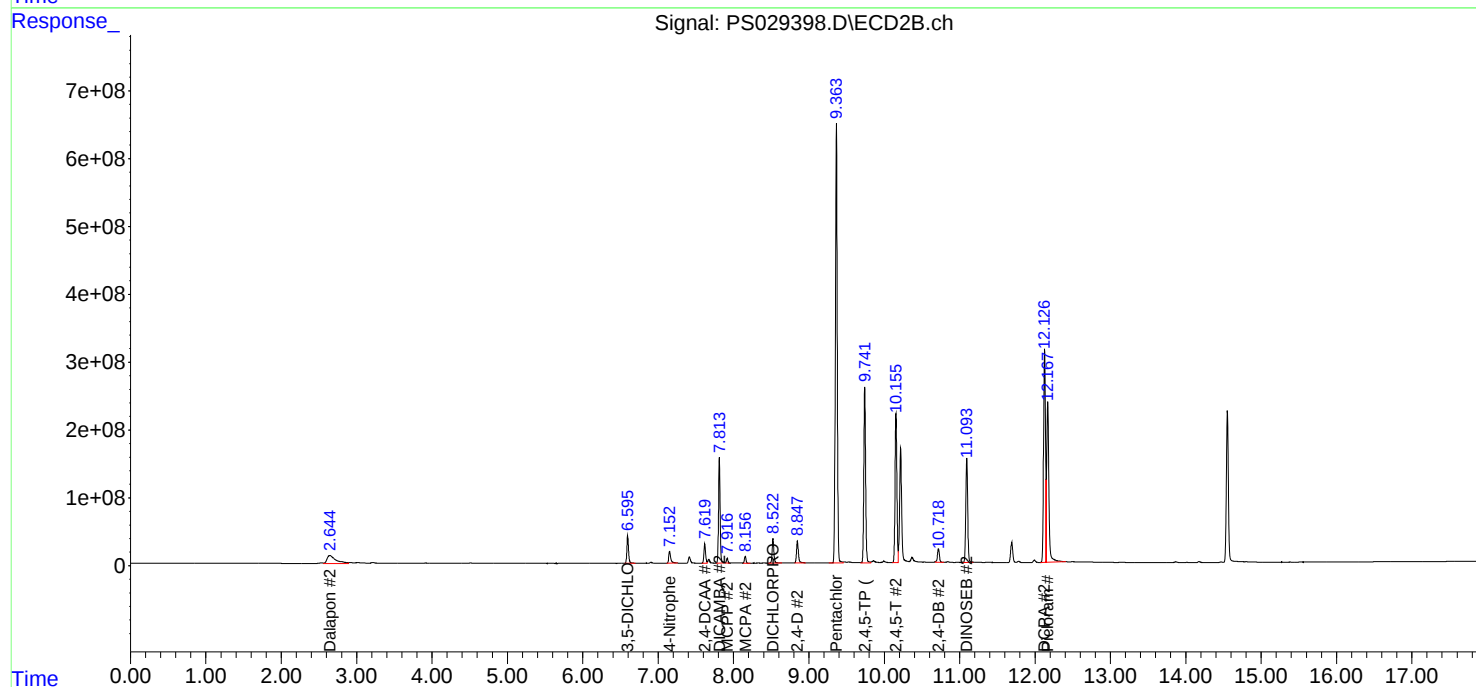
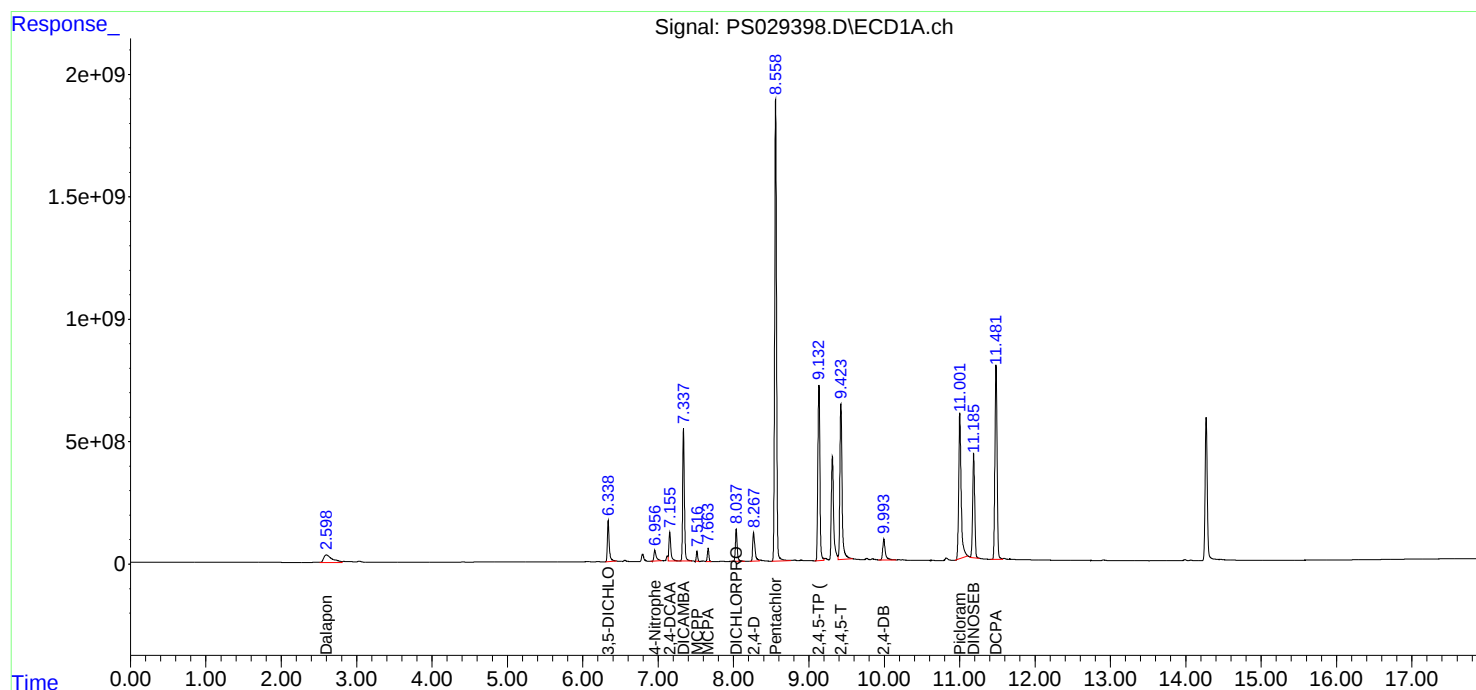
APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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\PS031225\
 Data File : PS029402.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 12:14
 Operator : AR\AJ
 Sample : Q1488-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ENV-101-SB01MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:29:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.156	7.619	2015.2E6	343.0E6	489.060	364.774 #
Target Compounds							
1) T	Dalapon	2.597	2.645	1473.8E6	702.5E6	266.980m	331.805m
2) T	3,5-DICHL...	6.337	6.594	2716.3E6	568.1E6	464.228	401.160
3) T	4-Nitroph...	6.958	7.157	25936624	6145422	11.083m	7.705m#
5) T	DICAMBA	7.336	7.811	7585.8E6	2107.0E6	436.818m	408.898m
6) T	MCP	7.515	7.916	558.8E6	98960114	45.333m	42.306
7) T	MCPA	7.663	8.155	697.5E6	224.6E6	41.161	70.423 #
8) T	DICHLORPROP	8.036	8.521	2074.9E6	623.9E6	451.422	487.917
9) T	2,4-D	8.265	8.845	2505.7E6	619.4E6	527.474	487.792
10) T	Pentachlo...	8.560	9.361	38770.7E6	13195.5E6	664.380	573.399
11) T	2,4,5-TP ...	9.131	9.740	12815.6E6	6346.5E6	521.238	702.301 #
12) T	2,4,5-T	9.421	10.153	12298.4E6	3771.6E6	482.502	459.377
13) T	2,4-DB	9.991	10.715	1492.2E6	367.3E6	357.371m	479.765m#
14) T	DINOSEB	11.185	11.091	5773.1E6	1864.9E6	347.133m	307.664m
15) T	Picloram	11.000	12.165	12199.8E6	4089.9E6	399.425	353.724
16) T	DCPA	11.479	12.125	12060.0E6	5304.0E6	401.953	448.102

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 12:14
Operator : AR\AJ
Sample : Q1488-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ENV-101-SB01MS

Manual Integrations

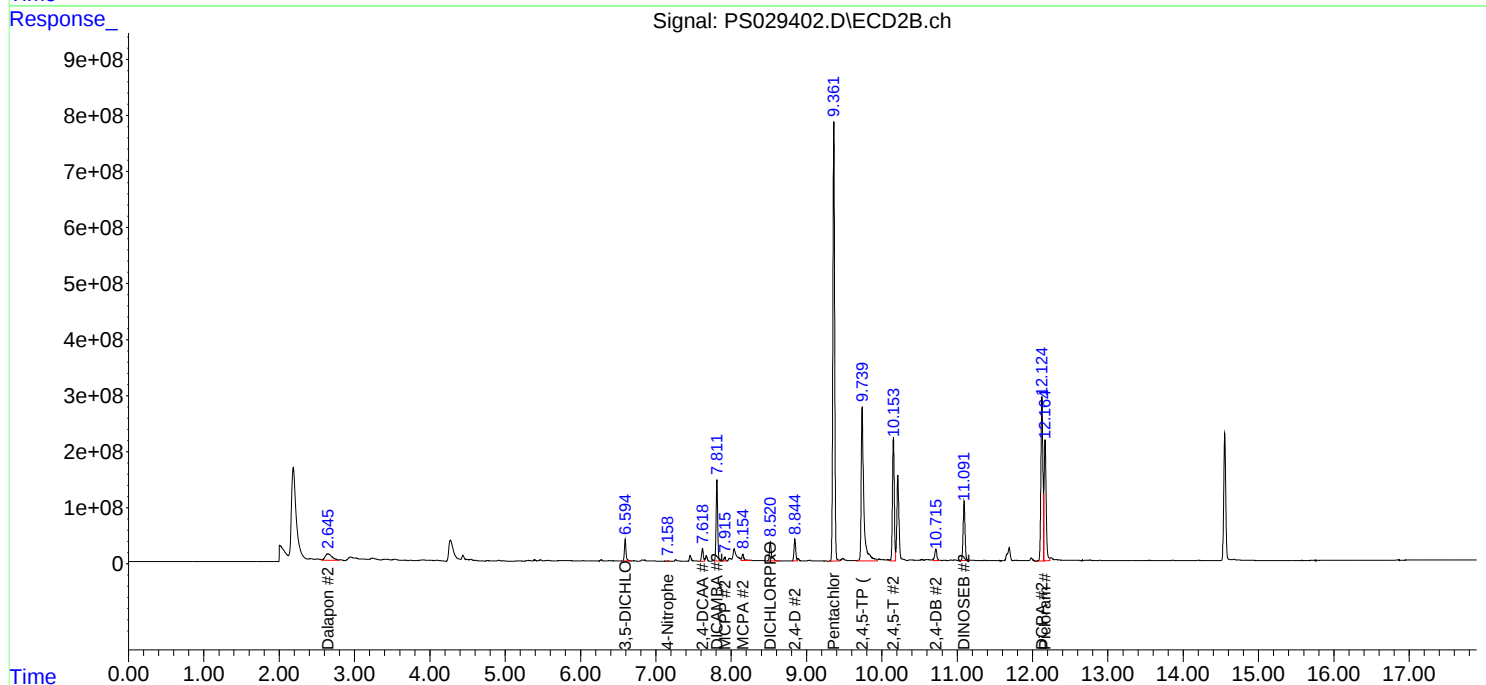
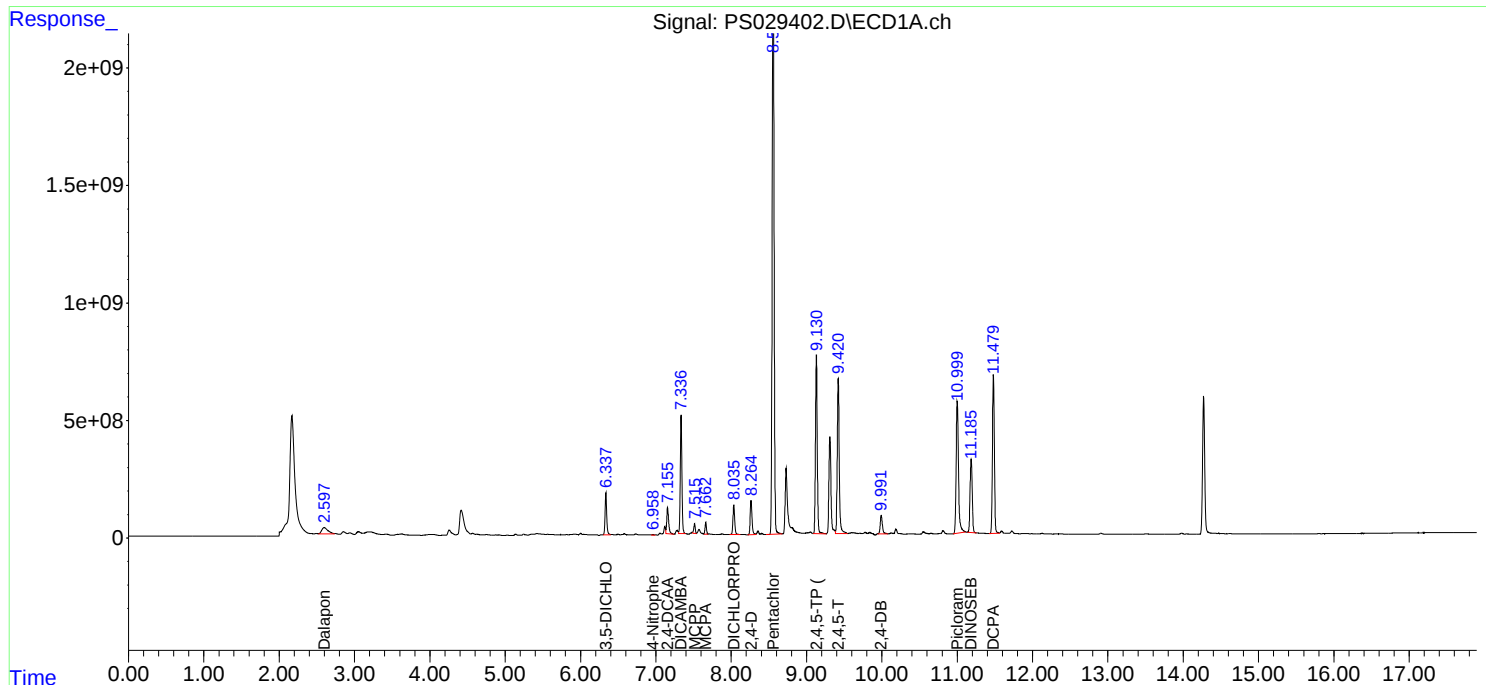
APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:29:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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\PS031225\
 Data File : PS029403.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 12:38
 Operator : AR\AJ
 Sample : Q1488-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ENV-101-SB01MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 02:29:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
 Quant Title : 8080.M
 QLast Update : Sat Feb 22 01:02:20 2025
 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	7.156	7.619	1989.3E6	334.6E6	482.766	355.858 #
Target Compounds							
1) T	Dalapon	2.599	2.646	1562.5E6	626.6E6	283.039m	295.965m
2) T	3,5-DICHL...	6.337	6.594	2697.2E6	548.3E6	460.964	387.161m
3) T	4-Nitroph...	6.959	7.158	28607104	6831113	12.224m	8.565m#
5) T	DICAMBA	7.336	7.812	7483.1E6	2088.1E6	430.907m	405.225m
6) T	MCP	7.516	7.917	556.7E6	99930565	45.166m	42.721
7) T	MCPA	7.663	8.156	707.2E6	246.4E6	41.733	77.260 #
8) T	DICHLORPROP	8.036	8.522	2069.8E6	616.3E6	450.312	481.979
9) T	2,4-D	8.265	8.846	2521.6E6	627.1E6	530.821	493.833
10) T	Pentachlo...	8.558	9.363	38188.8E6	12922.3E6	654.408	561.531
11) T	2,4,5-TP ...	9.131	9.742	12808.4E6	6851.8E6	520.944	758.224 #
12) T	2,4,5-T	9.422	10.154	12413.7E6	3809.8E6	487.028	464.030
13) T	2,4-DB	9.991	10.716	1495.8E6	369.2E6	358.242m	482.191m#
14) T	DINOSEB	11.185	11.092	5623.2E6	1816.7E6	338.118m	299.713m
15) T	Picloram	11.000	12.165	12160.3E6	4088.2E6	398.129	353.580
16) T	DCPA	11.479	12.125	12041.0E6	5298.2E6	401.319	447.613

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 12:38
Operator : AR\AJ
Sample : Q1488-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ENV-101-SB01MSD

Manual Integrations

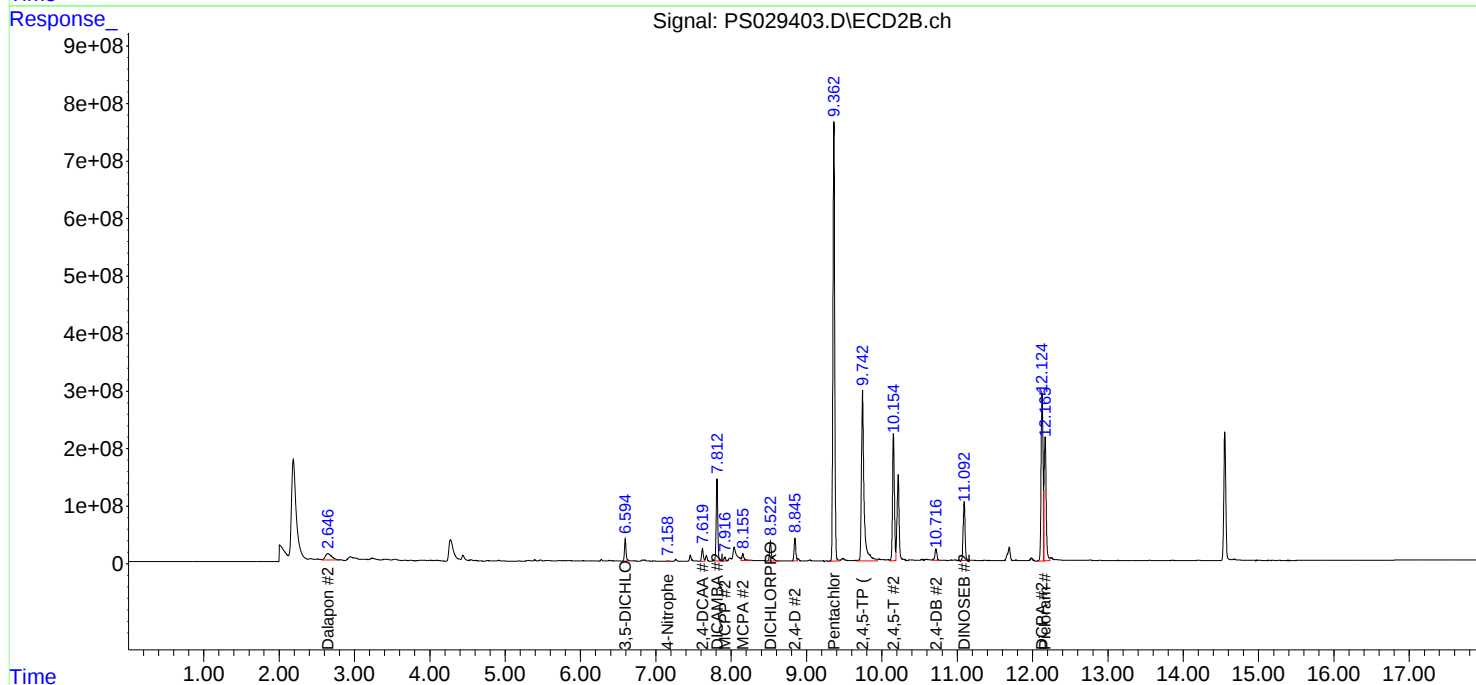
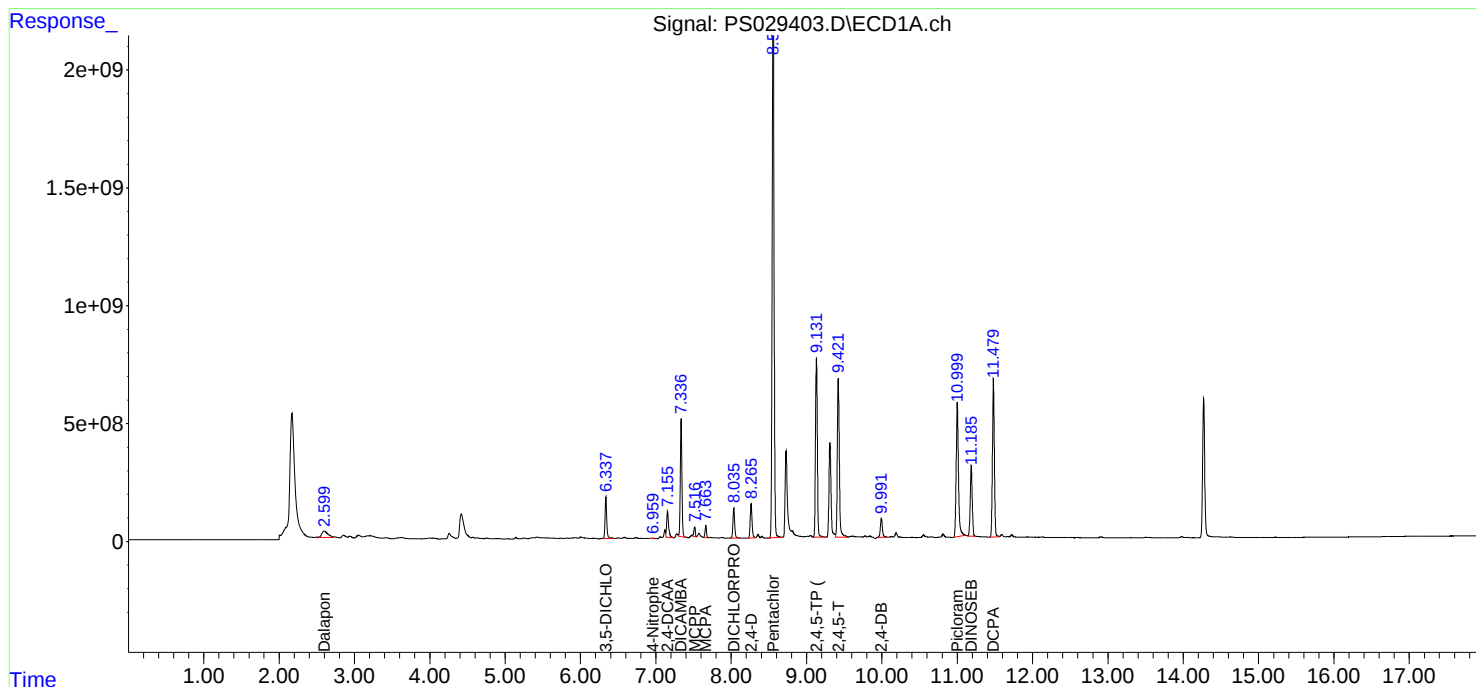
APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:29:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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





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

Manual Integration Report

Sequence:	ps022125	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:	ps031225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS029396.D	2,4-DB #2	Abdul	3/13/2025 8:40:01 AM	Ankita	3/13/2025 10:13:02	Peak Integrated by Software
HSTDCCC750	PS029396.D	DICAMBA #2	Abdul	3/13/2025 8:40:01 AM	Ankita	3/13/2025 10:13:02	Peak Integrated by Software
HSTDCCC750	PS029396.D	DINOSEB	Abdul	3/13/2025 8:40:01 AM	Ankita	3/13/2025 10:13:02	Peak Integrated by Software
HSTDCCC750	PS029396.D	DINOSEB #2	Abdul	3/13/2025 8:40:01 AM	Ankita	3/13/2025 10:13:02	Peak Integrated by Software
PB167090BS	PS029398.D	2,4-DB #2	Abdul	3/13/2025 8:40:07 AM	Ankita	3/13/2025 10:13:04	Peak Integrated by Software
PB167090BS	PS029398.D	DICAMBA #2	Abdul	3/13/2025 8:40:07 AM	Ankita	3/13/2025 10:13:04	Peak Integrated by Software
PB167090BS	PS029398.D	DINOSEB	Abdul	3/13/2025 8:40:07 AM	Ankita	3/13/2025 10:13:04	Peak Integrated by Software
PB167090BS	PS029398.D	DINOSEB #2	Abdul	3/13/2025 8:40:07 AM	Ankita	3/13/2025 10:13:04	Peak Integrated by Software
PB167020TB	PS029399.D	2,4-DCAA	Abdul	3/13/2025 8:40:16 AM	Ankita	3/13/2025 10:13:07	Peak Integrated by Software
Q1488-02MS	PS029402.D	2,4-DB	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	2,4-DB #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	4-Nitrophenol	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	4-Nitrophenol #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software

Manual Integration Report

Sequence:	ps031225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-02MS	PS029402.D	Dalapon	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	Dalapon #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	DICAMBA	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	DICAMBA #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	DINOSEB	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	DINOSEB #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	MCPD	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MSD	PS029403.D	2,4-DB	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	2,4-DB #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	4-Nitrophenol	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	4-Nitrophenol #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	Dalapon	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software

Manual Integration Report

Sequence:	ps031225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-02MSD	PS029403.D	Dalapon #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	DICAMBA	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	DICAMBA #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	DINOSEB	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	DINOSEB #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	MCPP	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
HSTDCCC750	PS029405.D	2,4-DB #2	Abdul	3/13/2025 8:40:43 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
HSTDCCC750	PS029405.D	DICAMBA #2	Abdul	3/13/2025 8:40:43 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
HSTDCCC750	PS029405.D	DINOSEB	Abdul	3/13/2025 8:40:43 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
HSTDCCC750	PS029405.D	DINOSEB #2	Abdul	3/13/2025 8:40:43 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-04	PS029406.D	2,4-DCAA	Abdul	3/13/2025 8:40:49 AM	Ankita	3/13/2025 10:13:16	Peak Integrated by Software
Q1488-04	PS029406.D	2,4-DCAA #2	Abdul	3/13/2025 8:40:49 AM	Ankita	3/13/2025 10:13:16	Peak Integrated by Software
Q1488-06	PS029407.D	2,4-DCAA	Abdul	3/13/2025 8:40:55 AM	Ankita	3/13/2025 10:13:17	Peak Integrated by Software

Manual Integration Report

Sequence:	ps031225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-06	PS029407.D	2,4-DCAA #2	Abdul	3/13/2025 8:40:55 AM	Ankita	3/13/2025 10:13:17	Peak Integrated by Software
Q1488-08	PS029408.D	2,4-DCAA	Abdul	3/13/2025 8:40:59 AM	Ankita	3/13/2025 10:13:19	Peak Integrated by Software
Q1488-08	PS029408.D	2,4-DCAA #2	Abdul	3/13/2025 8:40:59 AM	Ankita	3/13/2025 10:13:19	Peak Integrated by Software
HSTDCCC750	PS029417.D	2,4-DB #2	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	2,4-DCAA	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	DICAMBA #2	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	DINOSEB	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	DINOSEB #2	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	MCPD	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM
SubDirectory	PS022125	HP Acquire Method	HP Processing Method ps0221258151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029232.D	21 Feb 2025 19:08	AR\AJ	Ok
2	I.BLK	PS029233.D	21 Feb 2025 19:32	AR\AJ	Ok
3	HSTDICC200	PS029234.D	21 Feb 2025 19:56	AR\AJ	Ok
4	HSTDICC500	PS029235.D	21 Feb 2025 20:20	AR\AJ	Ok
5	HSTDICC750	PS029236.D	21 Feb 2025 20:44	AR\AJ	Ok
6	HSTDICC1000	PS029237.D	21 Feb 2025 21:08	AR\AJ	Ok
7	HSTDICC1500	PS029238.D	21 Feb 2025 21:32	AR\AJ	Ok
8	HSTDICV750	PS029239.D	21 Feb 2025 21:56	AR\AJ	Ok
9	I.BLK	PS029240.D	21 Feb 2025 22:20	AR\AJ	Ok
10	HSTDCCC750	PS029241.D	21 Feb 2025 22:44	AR\AJ	Ok
11	Q1383-03	PS029242.D	21 Feb 2025 23:08	AR\AJ	Ok,M
12	Q1383-05	PS029243.D	21 Feb 2025 23:32	AR\AJ	Ok,M
13	Q1383-07	PS029244.D	21 Feb 2025 23:56	AR\AJ	Ok,M
14	Q1383-09	PS029245.D	22 Feb 2025 00:20	AR\AJ	Ok,M
15	Q1383-11	PS029246.D	22 Feb 2025 00:44	AR\AJ	Ok,M
16	Q1383-13	PS029247.D	22 Feb 2025 01:08	AR\AJ	ReRun
17	Q1383-15	PS029248.D	22 Feb 2025 01:32	AR\AJ	Ok,M
18	Q1383-17	PS029249.D	22 Feb 2025 01:56	AR\AJ	Ok
19	Q1383-19	PS029250.D	22 Feb 2025 02:20	AR\AJ	Ok
20	I.BLK	PS029251.D	22 Feb 2025 02:44	AR\AJ	Ok
21	HSTDCCC750	PS029252.D	22 Feb 2025 03:08	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS031225

Review By	Abdul	Review On	3/13/2025 8:41:54 AM
Supervise By	Ankita	Supervise On	3/13/2025 10:13:47 AM
SubDirectory	PS031225	HP Acquire Method	HP Processing Method ps022125 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029394.D	12 Mar 2025 08:39	AR\AJ	Ok
2	I.BLK	PS029395.D	12 Mar 2025 09:03	AR\AJ	Ok
3	HSTDCCC750	PS029396.D	12 Mar 2025 09:27	AR\AJ	Ok,M
4	PB167090BL	PS029397.D	12 Mar 2025 09:57	AR\AJ	Ok
5	PB167090BS	PS029398.D	12 Mar 2025 10:21	AR\AJ	Ok,M
6	PB167020TB	PS029399.D	12 Mar 2025 10:45	AR\AJ	Ok,M
7	PB167049TB	PS029400.D	12 Mar 2025 11:09	AR\AJ	Ok,M
8	Q1488-02	PS029401.D	12 Mar 2025 11:50	AR\AJ	Ok
9	Q1488-02MS	PS029402.D	12 Mar 2025 12:14	AR\AJ	Ok,M
10	Q1488-02MSD	PS029403.D	12 Mar 2025 12:38	AR\AJ	Ok,M
11	I.BLK	PS029404.D	12 Mar 2025 13:02	AR\AJ	Ok
12	HSTDCCC750	PS029405.D	12 Mar 2025 13:26	AR\AJ	Ok,M
13	Q1488-04	PS029406.D	12 Mar 2025 13:50	AR\AJ	Ok,M
14	Q1488-06	PS029407.D	12 Mar 2025 14:14	AR\AJ	Ok,M
15	Q1488-08	PS029408.D	12 Mar 2025 14:38	AR\AJ	Ok,M
16	Q1488-10	PS029409.D	12 Mar 2025 15:02	AR\AJ	Ok
17	Q1488-12	PS029410.D	12 Mar 2025 15:27	AR\AJ	Ok
18	Q1514-02	PS029411.D	12 Mar 2025 15:51	AR\AJ	Ok,M
19	Q1514-04	PS029412.D	12 Mar 2025 16:15	AR\AJ	Ok,M
20	Q1514-06	PS029413.D	12 Mar 2025 16:39	AR\AJ	Ok,M
21	Q1523-03	PS029414.D	12 Mar 2025 17:03	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS031225

Review By	Abdul	Review On	3/13/2025 8:41:54 AM
Supervise By	Ankita	Supervise On	3/13/2025 10:13:47 AM
SubDirectory	PS031225	HP Acquire Method	HP Processing Method ps022125 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

22	Q1523-06	PS029415.D	12 Mar 2025 17:27	AR\AJ	Ok,M
23	I.BLK	PS029416.D	12 Mar 2025 17:51	AR\AJ	Ok
24	HSTDCCC750	PS029417.D	12 Mar 2025 18:15	AR\AJ	Ok,M

M : Manual Integration

A
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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM
SubDirectory	PS022125	HP Acquire Method	HP Processing Method ps0221258151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029232.D	21 Feb 2025 19:08		AR\AJ	Ok
2	I.BLK	I.BLK	PS029233.D	21 Feb 2025 19:32		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS029234.D	21 Feb 2025 19:56		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS029235.D	21 Feb 2025 20:20		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS029236.D	21 Feb 2025 20:44	Method fail for comp 10	AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS029237.D	21 Feb 2025 21:08		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS029238.D	21 Feb 2025 21:32		AR\AJ	Ok
8	HSTDICV750	ICVPS022125	PS029239.D	21 Feb 2025 21:56		AR\AJ	Ok
9	I.BLK	I.BLK	PS029240.D	21 Feb 2025 22:20		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS029241.D	21 Feb 2025 22:44		AR\AJ	Ok
11	Q1383-03	OU4-PCS-TC-12-02172	PS029242.D	21 Feb 2025 23:08		AR\AJ	Ok,M
12	Q1383-05	OU4-PCS-TC-13-02172	PS029243.D	21 Feb 2025 23:32		AR\AJ	Ok,M
13	Q1383-07	OU4-PCS-TC-14-02172	PS029244.D	21 Feb 2025 23:56		AR\AJ	Ok,M
14	Q1383-09	OU4-PCS-TC-15-02172	PS029245.D	22 Feb 2025 00:20		AR\AJ	Ok,M
15	Q1383-11	OU4-PCS-TC-16-02172	PS029246.D	22 Feb 2025 00:44		AR\AJ	Ok,M
16	Q1383-13	OU4-PCS-TC-17-02172	PS029247.D	22 Feb 2025 01:08	2,4-DCAA high in 1st column	AR\AJ	ReRun
17	Q1383-15	OU4-PCS-TC-18-02172	PS029248.D	22 Feb 2025 01:32		AR\AJ	Ok,M
18	Q1383-17	OU4-PCS-TC-19-02172	PS029249.D	22 Feb 2025 01:56		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM				
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM				
SubDirectory	PS022125	HP Acquire Method	HP Processing Method		ps0221258151		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		PP24064,PP24065,PP24066,PP24067,PP24068					
CCC		PP24066					
Internal Standard/PEM		PP24069,PP24070					
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

19	Q1383-19	OU4-PCS-TC-20-02172	PS029250.D	22 Feb 2025 02:20		AR\AJ	Ok
20	I.BLK	I.BLK	PS029251.D	22 Feb 2025 02:44		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS029252.D	22 Feb 2025 03:08		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS031225

Review By	Abdul	Review On	3/13/2025 8:41:54 AM
Supervise By	Ankita	Supervise On	3/13/2025 10:13:47 AM
SubDirectory	PS031225	HP Acquire Method	HP Processing Method ps022125 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029394.D	12 Mar 2025 08:39		AR\AJ	Ok
2	I.BLK	I.BLK	PS029395.D	12 Mar 2025 09:03		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS029396.D	12 Mar 2025 09:27		AR\AJ	Ok,M
4	PB167090BL	PB167090BL	PS029397.D	12 Mar 2025 09:57		AR\AJ	Ok
5	PB167090BS	PB167090BS	PS029398.D	12 Mar 2025 10:21		AR\AJ	Ok,M
6	PB167020TB	PB167020TB	PS029399.D	12 Mar 2025 10:45		AR\AJ	Ok,M
7	PB167049TB	PB167049TB	PS029400.D	12 Mar 2025 11:09		AR\AJ	Ok,M
8	Q1488-02	ENV-101-SB01	PS029401.D	12 Mar 2025 11:50		AR\AJ	Ok
9	Q1488-02MS	ENV-101-SB01MS	PS029402.D	12 Mar 2025 12:14	some compound recovery fail	AR\AJ	Ok,M
10	Q1488-02MSD	ENV-101-SB01MSD	PS029403.D	12 Mar 2025 12:38	some compound recovery fail	AR\AJ	Ok,M
11	I.BLK	I.BLK	PS029404.D	12 Mar 2025 13:02		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS029405.D	12 Mar 2025 13:26		AR\AJ	Ok,M
13	Q1488-04	ENV-101-SB02	PS029406.D	12 Mar 2025 13:50		AR\AJ	Ok,M
14	Q1488-06	ENV-102-SB01	PS029407.D	12 Mar 2025 14:14		AR\AJ	Ok,M
15	Q1488-08	ENV-102-SB02	PS029408.D	12 Mar 2025 14:38		AR\AJ	Ok,M
16	Q1488-10	ENV-104-SB01	PS029409.D	12 Mar 2025 15:02		AR\AJ	Ok
17	Q1488-12	ENV-104-SB02	PS029410.D	12 Mar 2025 15:27		AR\AJ	Ok
18	Q1514-02	ENV-105-SB01	PS029411.D	12 Mar 2025 15:51		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS031225

Review By	Abdul	Review On	3/13/2025 8:41:54 AM
Supervise By	Ankita	Supervise On	3/13/2025 10:13:47 AM
SubDirectory	PS031225	HP Acquire Method	HP Processing Method ps022125 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

19	Q1514-04	ENV-105-SB02	PS029412.D	12 Mar 2025 16:15		AR\AJ	Ok,M
20	Q1514-06	ENV-103-SB01	PS029413.D	12 Mar 2025 16:39		AR\AJ	Ok,M
21	Q1523-03	WC-A1-01-C	PS029414.D	12 Mar 2025 17:03		AR\AJ	Ok,M
22	Q1523-06	WC-A2-02-C	PS029415.D	12 Mar 2025 17:27		AR\AJ	Ok,M
23	I.BLK	I.BLK	PS029416.D	12 Mar 2025 17:51		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS029417.D	12 Mar 2025 18:15		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/06/2025 Time : 17:00

End Prep Date : 03/07/2025 Time : 11:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : *JP*

Supervisor By : *IL*

Standard 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	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1L Amber bottle	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Particle size reduction is not required. TUMBLER T-1 / T-2 checked, 30 rpm. q1514-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	<i>JP</i> / <i>TCLP Room</i>	<i>JP</i> / <i>RT / E-1</i>
	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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167020TB	LEB020	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-04	ENV-101-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-06	ENV-102-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-08	ENV-102-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-10	ENV-104-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-12	ENV-104-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q1494-04	ASPHALT-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-06	SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-08	SOIL-COMP	N/A	N/A	N/A	N/A	100	N/A
Q1510-01	FMC-25-0001-0005	N/A	N/A	N/A	N/A	100	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	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
PB167020TB	LEB020	N/A	N/A	N/A	N/A	#1	4.94
Q1488-02	ENV-101-SB01	5.01	96.5	6.2	2.5	#1	4.94
Q1488-04	ENV-101-SB02	5.02	96.5	6.6	2.0	#1	4.94
Q1488-06	ENV-102-SB01	5.03	96.5	6.2	2.5	#1	4.94
Q1488-08	ENV-102-SB02	5.04	96.5	7.2	2.5	#1	4.94
Q1488-10	ENV-104-SB01	5.03	96.5	6.6	2.0	#1	4.94
Q1488-12	ENV-104-SB02	5.02	96.5	7.0	2.5	#1	4.94
Q1490-02	CLAY-SLUDGE-DRUMS	5.04	96.5	7.0	2.5	#1	4.94
Q1494-04	ASPHALT-SOIL	5.01	96.5	8.6	3.0	#1	4.94
Q1494-06	SOIL	5.02	96.5	9.1	4.0	#1	4.94
Q1494-08	SOIL-COMP	5.04	96.5	8.6	3.5	#1	4.94
Q1510-01	FMC-25-0001-0005	5.03	96.5	5.6	1.5	#1	4.94
Q1514-02	ENV-105-SB01	5.01	96.5	7.6	2.5	#1	4.94
Q1514-04	ENV-105-SB02	5.02	96.5	8.0	3.0	#1	4.94
Q1514-06	ENV-103-SB01	5.03	96.5	9.1	3.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1490 WorkList ID : 188086 Department : TCLP Extraction Date : 03-06-2025 11:40:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-02	ENV-101-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-04	ENV-101-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-06	ENV-102-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-08	ENV-102-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-10	ENV-104-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-12	ENV-104-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1490-02	CLAY-SLUDGE-DRUMS	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1494-04	ASPHALT-SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/05/2025	1311
Q1494-06	SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1494-08	SOIL-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1510-01	FMC-25-0001-0005	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1514-02	ENV-105-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/06/2025	1311
Q1514-04	ENV-105-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311
Q1514-06	ENV-103-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311

Date/Time 03/06/25 16:10
Raw Sample Received by: SA WOC
Raw Sample Relinquished by: CP SM

Date/Time 03/06/25 18:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: SA WOC

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix : Water

Welgh By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RS

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3880 **Hood ID:** 4,5,7

Extraction Method: ☒ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction Start Date : 03/11/2025

Extraction Start Time : 11:30

Extraction End Date : 03/11/2025

Extraction End Time : 18:30

Concentration By: EH

Supervisor By : RUPESH

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24193
Surrogate	1.0ML	5000 PPB	PP24196
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	E3881
Acidified Na2SO4	N/A	EP2576
12N H2SO4	N/A	EP2552
NAOH 6N	N/A	EP2553
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14150
Diazomethane	N/A	EP2588
Hexane	N/A	E3877
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 **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/11/25	RS (Ext Lab)	JP-PESH/B.
18:35	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 03/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167020TB	PB167020TB	TCLP Herbicide	100	6	RUPESH	rajesh	10			SEP-1
PB167049TB	PB167049TB	TCLP Herbicide	100	6	RUPESH	rajesh	10			2
PB167090BL	HBLK090	TCLP Herbicide	1000	6	RUPESH	rajesh	10			3
PB167090BS	HLCS090	TCLP Herbicide	1000	6	RUPESH	rajesh	10			4
Q1488-02	ENV-101-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		5
Q1488-02MS	ENV-101-SB01MS	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		6
Q1488-02MS D	ENV-101-SB01MSD	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		7
Q1488-04	ENV-101-SB02	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		8
Q1488-06	ENV-102-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		9
Q1488-08	ENV-102-SB02	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		10
Q1488-10	ENV-104-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		11
Q1488-12	ENV-104-SB02	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		12
Q1514-02	ENV-105-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		13
Q1514-04	ENV-105-SB02	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		14
Q1514-06	ENV-103-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		15
Q1523-03	WC-A1-01-C	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		16
Q1523-06	WC-A2-02-C	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		170

* Extracts relinquished on the same date as received.

RS
3/11

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	Pre/Pos
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

03/07/25
121.30

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
PB167049TB	LEB049	10	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q1523-03	WC-A1-01-C	01	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q1523-06	WC-A2-02-C	02	100.01	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q1534-06	OR-363-COMP-16	03	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1534-12	OR-363-COMP-17	04	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1534-18	OR-363-COMP-18	05	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1534-24	OR-363OR-363-COMP-19-	06	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1537-05	COMP-1	07	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q1537-06	COMP-2	08	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q1537-07	COMP-3	09	100.04	2000	N/A	N/A	N/A	11.0	1.5	T-1

03/11/2025
11:00

LAB CHRONICLE

OrderID:	Q1488	OrderDate:	3/4/2025 3:39:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1488-01	ENV-101-SB01	SOIL	PCB	8082A	03/04/25	03/05/25	03/05/25	03/04/25
			EPH	NJEPH		03/10/25	03/10/25	
Q1488-02	ENV-101-SB01	TCLP	TCLP Herbicide	8151A	03/04/25	03/11/25	03/12/25	03/04/25
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-03	ENV-101-SB02	SOIL	PCB	8082A	03/04/25	03/05/25	03/05/25	03/04/25
			EPH	NJEPH		03/10/25	03/10/25	
Q1488-04	ENV-101-SB02	TCLP	TCLP Herbicide	8151A	03/04/25	03/11/25	03/12/25	03/04/25
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-05	ENV-102-SB01	SOIL	PCB	8082A	03/04/25	03/05/25	03/05/25	03/04/25
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1488-06	ENV-102-SB01	TCLP	TCLP Herbicide	8151A	03/04/25	03/11/25	03/12/25	03/04/25
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1488-07	ENV-102-SB02	SOIL	PCB	8082A	03/04/25	03/05/25	03/05/25	03/04/25
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1488-08	ENV-102-SB02	TCLP	TCLP Herbicide	8151A	03/04/25	03/11/25	03/12/25	03/04/25

LAB CHRONICLE

Q1488-09	ENV-104-SB01	SOIL	TCLP Pesticide	8081B		03/11/25	03/12/25	03/04/25	03/04/25
			PCB	8082A		03/05/25	03/05/25		
			EPH	NJEPH		03/10/25	03/10/25		
			EPH	NJEPH		03/10/25	03/11/25		
Q1488-10	ENV-104-SB01	TCLP	TCLP Herbicide	8151A		03/11/25	03/12/25	03/04/25	03/04/25
			TCLP Pesticide	8081B		03/11/25	03/12/25		
Q1488-11	ENV-104-SB02	SOIL						03/04/25	03/04/25
			PCB	8082A		03/05/25	03/05/25		
			EPH	NJEPH		03/10/25	03/10/25		
			EPH	NJEPH		03/10/25	03/11/25		
Q1488-12	ENV-104-SB02	TCLP	TCLP Herbicide	8151A		03/11/25	03/12/25	03/04/25	03/04/25
			TCLP Pesticide	8081B		03/11/25	03/12/25		
Q1488-13	ENV-102-GW01	Water	EPH	NJEPH		03/05/25	03/05/25	03/04/25	03/04/25
			PCB	8082A		03/06/25	03/06/25		
Q1488-14	ENV-104-GW01	Water	EPH	NJEPH		03/05/25	03/05/25	03/04/25	03/04/25
			PCB	8082A		03/06/25	03/06/25		