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Hit Summary Sheet
SW-846

SDG No.:

Q2832

Order ID:

Q2832

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			

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



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/15/25	
Client Sample ID:	PB169212TB		SDG No.:	Q2832	
Lab Sample ID:	PB169212TB		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031457.D	1	08/15/25 08:45	08/15/25 17:52	PB169278

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	482		70 (61) - 130 (136)	96%	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:	08/11/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/12/25	
Client Sample ID:	TG-S01		SDG No.:	Q2832	
Lab Sample ID:	Q2832-02		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031459.D	1	08/15/25 08:45	08/15/25 18:40	PB169278

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	751	*	70 (61) - 130 (136)	150%	SPK: 500

Comments:

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* = Values outside of QC limits

D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-04	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031464.D	1	08/15/25 08:45	08/15/25 21:29	PB169278

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	719	*	70 (61) - 130 (136)	144%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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:	08/11/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/12/25	
Client Sample ID:	TG-S02RE		SDG No.:	Q2832	
Lab Sample ID:	Q2832-04RE		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031486.D	1	08/15/25 08:45	08/18/25 15:57	PB169278

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	720	*	70 (61) - 130 (136)	144%	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:	08/11/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/12/25	
Client Sample ID:	TG-S03		SDG No.:	Q2832	
Lab Sample ID:	Q2832-06		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031465.D	1	08/15/25 08:45	08/15/25 21:54	PB169278

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	738	*	70 (61) - 130 (136)	148%	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:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03RE	SDG No.:	Q2832
Lab Sample ID:	Q2832-06RE	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031487.D	1	08/15/25 08:45	08/18/25 16:21	PB169278

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	729	*	70 (61) - 130 (136)	146%	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:	08/11/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/12/25	
Client Sample ID:	TG-S04		SDG No.:	Q2832	
Lab Sample ID:	Q2832-08		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031466.D	1	08/15/25 08:45	08/15/25 22:18	PB169278

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	769	*	70 (61) - 130 (136)	154%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	08/11/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/12/25	
Client Sample ID:	TG-S04RE		SDG No.:	Q2832	
Lab Sample ID:	Q2832-08RE		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031488.D	1	08/15/25 08:45	08/18/25 16:45	PB169278

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	768	*	70 (61) - 130 (136)	154%	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:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-10	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031467.D	1	08/15/25 08:45	08/15/25 22:42	PB169278

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	758	*	70 (61) - 130 (136)	152%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05RE	SDG No.:	Q2832
Lab Sample ID:	Q2832-10RE	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031489.D	1	08/15/25 08:45	08/18/25 17:09	PB169278

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	746	*	70 (61) - 130 (136)	149%	SPK: 500

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

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QC SUMMARY

Surrogate Summary

SDG No.: **Q2832**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS031378.D	PIBLK-PS031378.D	2,4-DCAA	1	500	421	84		70 (61)	130 (136)
		2,4-DCAA	2	500	503	101		70 (61)	130 (136)
I.BLK-PS031453.D	PIBLK-PS031453.D	2,4-DCAA	1	500	506	101		70 (61)	130 (136)
		2,4-DCAA	2	500	540	108		70 (61)	130 (136)
PB169278BL	PB169278BL	2,4-DCAA	1	500	450	90		70 (61)	130 (136)
		2,4-DCAA	2	500	509	102		70 (61)	130 (136)
PB169278BS	PB169278BS	2,4-DCAA	1	500	561	112		70 (61)	130 (136)
		2,4-DCAA	2	500	509	102		70 (61)	130 (136)
PB169212TB	PB169212TB	2,4-DCAA	1	500	442	88		70 (61)	130 (136)
		2,4-DCAA	2	500	482	96		70 (61)	130 (136)
Q2832-02	TG-S01	2,4-DCAA	1	500	671	134	*	70 (61)	130 (136)
		2,4-DCAA	2	500	751	150	*	70 (61)	130 (136)
I.BLK-PS031460.D	PIBLK-PS031460.D	2,4-DCAA	1	500	516	103		70 (61)	130 (136)
		2,4-DCAA	2	500	554	111		70 (61)	130 (136)
Q2832-02MS	TG-S01MS	2,4-DCAA	1	500	774	155	*	70 (61)	130 (136)
		2,4-DCAA	2	500	876	175	*	70 (61)	130 (136)
Q2832-02MSD	TG-S01MSD	2,4-DCAA	1	500	780	156	*	70 (61)	130 (136)
		2,4-DCAA	2	500	880	176	*	70 (61)	130 (136)
Q2832-04	TG-S02	2,4-DCAA	1	500	634	127		70 (61)	130 (136)
		2,4-DCAA	2	500	719	144	*	70 (61)	130 (136)
Q2832-06	TG-S03	2,4-DCAA	1	500	654	131	*	70 (61)	130 (136)
		2,4-DCAA	2	500	738	148	*	70 (61)	130 (136)
Q2832-08	TG-S04	2,4-DCAA	1	500	677	135	*	70 (61)	130 (136)
		2,4-DCAA	2	500	769	154	*	70 (61)	130 (136)
Q2832-10	TG-S05	2,4-DCAA	1	500	675	135	*	70 (61)	130 (136)
		2,4-DCAA	2	500	758	152	*	70 (61)	130 (136)
I.BLK-PS031472.D	PIBLK-PS031472.D	2,4-DCAA	1	500	521	104		70 (61)	130 (136)
		2,4-DCAA	2	500	568	114		70 (61)	130 (136)
I.BLK-PS031481.D	PIBLK-PS031481.D	2,4-DCAA	1	500	466	93		70 (61)	130 (136)
		2,4-DCAA	2	500	502	100		70 (61)	130 (136)
Q2832-04RE	TG-S02RE	2,4-DCAA	1	500	632	126		70 (61)	130 (136)
		2,4-DCAA	2	500	720	144	*	70 (61)	130 (136)
Q2832-06RE	TG-S03RE	2,4-DCAA	1	500	646	129		70 (61)	130 (136)
		2,4-DCAA	2	500	729	146	*	70 (61)	130 (136)
Q2832-08RE	TG-S04RE	2,4-DCAA	1	500	673	135	*	70 (61)	130 (136)
		2,4-DCAA	2	500	768	154	*	70 (61)	130 (136)
Q2832-10RE	TG-S05RE	2,4-DCAA	1	500	654	131	*	70 (61)	130 (136)
		2,4-DCAA	2	500	746	149	*	70 (61)	130 (136)
I.BLK-PS031490.D	PIBLK-PS031490.D	2,4-DCAA	1	500	469	94		70 (61)	130 (136)
		2,4-DCAA	2	500	516	103		70 (61)	130 (136)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2832</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PS031462.D</u>

		Sample					Rec		RPD		Limits	
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2832-02MS	Client Sample ID:	TG-S01MS									
	(Column 1)											
	2,4-D	50	0	91.7	ug/L	183	*			70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	75.7	ug/L	151	*			70 (62)	130 (139)	
Lab Sample ID:	Q2832-02MS	Client Sample ID:	TG-S01MS									
	(Column 2)											
	2,4-D	50	0	83.2	ug/L	166	*			70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	76.1	ug/L	152	*			70 (62)	130 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2832</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PS031463.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2832-02MSD	Client Sample ID:	TG-S01MSD								
(Column 1)											
2,4-D	50	0	92.0	ug/L	184	*	1		70 (65)	130 (135)	20 (20)
2,4,5-TP(Silvex)	50	0	76.5	ug/L	153	*	1		70 (62)	130 (139)	20 (20)
Lab Sample ID:	Q2832-02MSD	Client Sample ID:	TG-S01MSD								
(Column 2)											
2,4-D	50	0	79.7	ug/L	159	*	4		70 (65)	130 (135)	20 (20)
2,4,5-TP(Silvex)	50	0	80.4	ug/L	161	*	6		70 (62)	130 (139)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2832</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Portal Partners Tri-Venture</u>	Datafile :	<u>PS031456.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169278BS (Column 1)	2,4-D	5	5.30	ug/L	106				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.50	ug/L	110				70 (78)	130 (127)	
PB169278BS (Column 2)	2,4-D	5	4.80	ug/L	96				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.00	ug/L	100				70 (78)	130 (127)	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169278BL

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Lab Sample ID: PB169278BL

Lab File ID: PS031455.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 08/15/2025

Date Analyzed (1): 08/15/2025

Date Analyzed (2): 08/15/2025

Time Analyzed (1): 17:04

Time Analyzed (2): 17:04

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
PB169278BS	PB169278BS	PS031456.D	08/15/2025	08/15/2025
PB169212TB	PB169212TB	PS031457.D	08/15/2025	08/15/2025
TG-S01	Q2832-02	PS031459.D	08/15/2025	08/15/2025
TG-S01MS	Q2832-02MS	PS031462.D	08/15/2025	08/15/2025
TG-S01MSD	Q2832-02MSD	PS031463.D	08/15/2025	08/15/2025
TG-S02	Q2832-04	PS031464.D	08/15/2025	08/15/2025
TG-S03	Q2832-06	PS031465.D	08/15/2025	08/15/2025
TG-S04	Q2832-08	PS031466.D	08/15/2025	08/15/2025
TG-S05	Q2832-10	PS031467.D	08/15/2025	08/15/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB169278BL		SDG No.:	Q2832	
Lab Sample ID:	PB169278BL		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031455.D	1	08/15/25 08:45	08/15/25 17:04	PB169278

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	509		70 (61) - 130 (136)	102%	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:	08/07/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/07/25	
Client Sample ID:	PIBLK-PS031378.D		SDG No.:	Q2832	
Lab Sample ID:	I.BLK-PS031378.D		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031378.D	1		08/07/25	ps080725

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	503		70 (61) - 130 (136)	101%	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:	08/15/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/15/25	
Client Sample ID:	PIBLK-PS031453.D		SDG No.:	Q2832	
Lab Sample ID:	I.BLK-PS031453.D		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031453.D	1		08/15/25	PS081525

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	540		70 (61) - 130 (136)	108%	SPK: 500

Comments:

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	08/15/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/15/25	
Client Sample ID:	PIBLK-PS031460.D		SDG No.:	Q2832	
Lab Sample ID:	I.BLK-PS031460.D		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031460.D	1		08/15/25	PS081525

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	554		70 (61) - 130 (136)	111%	SPK: 500

Comments:

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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:	08/16/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/16/25	
Client Sample ID:	PIBLK-PS031472.D		SDG No.:	Q2832	
Lab Sample ID:	I.BLK-PS031472.D		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031472.D	1		08/16/25	PS081525

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	568		70 (61) - 130 (136)	114%	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 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:	08/18/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PS031481.D		SDG No.:	Q2832	
Lab Sample ID:	I.BLK-PS031481.D		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031481.D	1		08/18/25	PS081825

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 (61) - 130 (136)	100%	SPK: 500

Comments:

U = Not Detected

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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:	08/18/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PS031490.D		SDG No.:	Q2832	
Lab Sample ID:	I.BLK-PS031490.D		Matrix:	TCLP	
Analytical Method:	8151A		% 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
PS031490.D	1		08/18/25	PS081825

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	516		70 (61) - 130 (136)	103%	SPK: 500

Comments:

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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:	PB169278BS	SDG No.:	Q2832
Lab Sample ID:	PB169278BS	Matrix:	TCLP
Analytical Method:	8151A	% 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
PS031456.D	1	08/15/25 08:45	08/15/25 17:28	PB169278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.30		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.50		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	561		70 (61) - 130 (136)	112%	SPK: 500

Comments:

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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:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01MS	SDG No.:	Q2832
Lab Sample ID:	Q2832-02MS	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031462.D	1	08/15/25 08:45	08/15/25 20:41	PB169278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	91.7		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	76.1		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	876	*	70 (61) - 130 (136)	175%	SPK: 500

Comments:

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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:	08/11/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/12/25	
Client Sample ID:	TG-S01MSD		SDG No.:	Q2832	
Lab Sample ID:	Q2832-02MSD		Matrix:	TCLP	
Analytical Method:	8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031463.D	1	08/15/25 08:45	08/15/25 21:05	PB169278

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	92.0		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	80.4		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	880	*	70 (61) - 130 (136)	176%	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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2832</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>08/07/2025</u> <u>08/07/2025</u>
		Calibration Times:	<u>12:02</u> <u>13:38</u>

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

LAB FILE ID:	RT 200 = <u>PS031379.D</u>	RT 500 = <u>PS031380.D</u>
RT 750 = <u>PS031381.D</u>	RT 1000 = <u>PS031382.D</u>	RT 1500 = <u>PS031383.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-TP(Silvex)	9.30	9.30	9.30	9.30	9.30	9.30	9.20	9.40
2,4-D	8.43	8.42	8.42	8.42	8.42	8.42	8.32	8.52
2,4-DCAA	7.30	7.30	7.30	7.29	7.29	7.29	7.19	7.39



Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>	
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2832</u>	
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>08/07/2025</u>	<u>08/07/2025</u>
		Calibration Times:	<u>12:02</u>	<u>13:38</u>

LAB FILE ID:	RT 200 = <u>PS031379.D</u>	RT 500 = <u>PS031380.D</u>
RT 750 = <u>PS031381.D</u>	RT 1000 = <u>PS031382.D</u>	RT 1500 = <u>PS031383.D</u>

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: PORT06
SDG NO.: Q2832

Calibration Date(s): 08/07/2025 08/07/2025
Calibration Times: 12:02 13:38

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

LAB FILE ID:		CF 200 =	<u>PS031379.D</u>	CF 500 =	<u>PS031380.D</u>		
CF 750 =		<u>PS031381.D</u>	CF 1000 =	<u>PS031382.D</u>	CF 1500 =	<u>PS031383.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	18839000000	18369900000	17907800000	17569300000	16932500000	17923700000	4
2,4-D	3359960000	2835460000	2754100000	2719120000	2715430000	2876820000	10
2,4-DCAA	3597170000	3293120000	3103110000	3009470000	2867080000	3173990000	9

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: PORT06
SDG NO.: Q2832

Calibration Date(s): 08/07/2025 08/07/2025
Calibration Times: 12:02 13:38

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

LAB FILE ID:		CF 200 =	<u>PS031379.D</u>	CF 500 =	<u>PS031380.D</u>		
CF 750 =		<u>PS031381.D</u>	CF 1000 =	<u>PS031382.D</u>	CF 1500 =	<u>PS031383.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	13728500000	13523000000	13089500000	12836400000	12402700000	13116000000	4
2,4-D	1540750000	1470040000	1417550000	1385470000	1322620000	1427290000	6
2,4-DCAA	909289000	862278000	831824000	818654000	804653000	845340000	5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 10:56

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
2,4-D	8.42	8.42	8.32	8.52	0.00
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 10:56

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.75	7.75	7.65	7.85	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.90	9.90	9.80	10.00	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/15/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031454.D **Time Analyzed:** 10:56

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.293	9.200	9.400	702.270	712.500	-1.4
2,4-D	8.417	8.324	8.524	683.000	705.000	-3.1
2,4-DCAA	7.290	7.195	7.395	706.660	750.000	-5.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/15/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031454.D **Time Analyzed:** 10:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.897	9.803	10.003	643.260	712.500	-9.7
2,4-D	9.001	8.906	9.106	606.930	705.000	-13.9
2,4-DCAA	7.745	7.649	7.849	659.270	750.000	-12.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 19:29

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
2,4-D	8.42	8.42	8.32	8.52	0.00
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 19:29

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.90	9.90	9.80	10.00	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/15/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031461.D **Time Analyzed:** 19:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.293	9.200	9.400	725.120	712.500	1.8
2,4-D	8.417	8.324	8.524	711.490	705.000	0.9
2,4-DCAA	7.290	7.195	7.395	730.280	750.000	-2.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/15/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031461.D **Time Analyzed:** 19:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.897	9.803	10.003	667.310	712.500	-6.3
2,4-D	9.001	8.906	9.106	632.480	705.000	-10.3
2,4-DCAA	7.744	7.649	7.849	681.040	750.000	-9.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/16/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 01:07

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
2,4-D	8.42	8.42	8.32	8.52	0.00
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/16/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 01:07

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.90	9.90	9.80	10.00	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/16/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031473.D **Time Analyzed:** 01:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.292	9.200	9.400	734.760	712.500	3.1
2,4-D	8.416	8.324	8.524	719.350	705.000	2.0
2,4-DCAA	7.289	7.195	7.395	748.270	750.000	-0.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/16/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031473.D **Time Analyzed:** 01:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.896	9.803	10.003	695.480	712.500	-2.4
2,4-D	9.000	8.906	9.106	646.840	705.000	-8.2
2,4-DCAA	7.744	7.649	7.849	703.470	750.000	-6.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 12:23

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
2,4-D	8.42	8.42	8.32	8.52	0.00
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 12:23

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.90	9.90	9.80	10.00	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/18/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031482.D **Time Analyzed:** 12:23

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.292	9.200	9.400	697.840	712.500	-2.1
2,4-D	8.417	8.324	8.524	673.700	705.000	-4.4
2,4-DCAA	7.289	7.195	7.395	714.250	750.000	-4.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/18/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031482.D **Time Analyzed:** 12:23

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.896	9.803	10.003	661.360	712.500	-7.2
2,4-D	9.002	8.906	9.106	622.860	705.000	-11.7
2,4-DCAA	7.744	7.649	7.849	656.580	750.000	-12.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 18:09

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
2,4-D	8.42	8.42	8.32	8.52	0.00
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 08/07/2025 08/07/2025

Continuing Calib Time: 18:09

Initial Calibration Time(s): 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.90	9.90	9.80	10.00	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/18/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031491.D **Time Analyzed:** 18:09

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.292	9.200	9.400	689.180	712.500	-3.3
2,4-D	8.418	8.324	8.524	669.990	705.000	-5.0
2,4-DCAA	7.289	7.195	7.395	706.000	750.000	-5.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/18/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031491.D **Time Analyzed:** 18:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.895	9.803	10.003	657.320	712.500	-7.7
2,4-D	9.001	8.906	9.106	602.080	705.000	-14.6
2,4-DCAA	7.744	7.649	7.849	660.480	750.000	-11.9

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2832
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 08/07/2025 08/07/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	08/07/2025	11:38	PS031378.D	7.30	0.00
HSTDICC200	HSTDICC200	08/07/2025	12:02	PS031379.D	7.30	0.00
HSTDICC500	HSTDICC500	08/07/2025	12:26	PS031380.D	7.30	0.00
HSTDICC750	HSTDICC750	08/07/2025	12:50	PS031381.D	7.30	0.00
HSTDICC1000	HSTDICC1000	08/07/2025	13:14	PS031382.D	7.29	0.00
HSTDICC1500	HSTDICC1500	08/07/2025	13:38	PS031383.D	7.29	0.00
IBLK	IBLK	08/15/2025	10:32	PS031453.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/15/2025	10:56	PS031454.D	7.29	0.00
PB169278BL	PB169278BL	08/15/2025	17:04	PS031455.D	7.29	0.00
PB169278BS	PB169278BS	08/15/2025	17:28	PS031456.D	7.29	0.00
PB169212TB	PB169212TB	08/15/2025	17:52	PS031457.D	7.29	0.00
TG-S01	Q2832-02	08/15/2025	18:40	PS031459.D	7.29	0.00
IBLK	IBLK	08/15/2025	19:05	PS031460.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/15/2025	19:29	PS031461.D	7.29	0.00
TG-S01MS	Q2832-02MS	08/15/2025	20:41	PS031462.D	7.29	0.00
TG-S01MSD	Q2832-02MSD	08/15/2025	21:05	PS031463.D	7.29	0.00
TG-S02	Q2832-04	08/15/2025	21:29	PS031464.D	7.29	0.00
TG-S03	Q2832-06	08/15/2025	21:54	PS031465.D	7.29	0.00
TG-S04	Q2832-08	08/15/2025	22:18	PS031466.D	7.29	0.00
TG-S05	Q2832-10	08/15/2025	22:42	PS031467.D	7.29	0.00
IBLK	IBLK	08/16/2025	00:43	PS031472.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/16/2025	01:07	PS031473.D	7.29	0.00
IBLK	IBLK	08/18/2025	11:59	PS031481.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/18/2025	12:23	PS031482.D	7.29	0.00
TG-S02RE	Q2832-04RE	08/18/2025	15:57	PS031486.D	7.29	0.00
TG-S03RE	Q2832-06RE	08/18/2025	16:21	PS031487.D	7.29	0.00
TG-S04RE	Q2832-08RE	08/18/2025	16:45	PS031488.D	7.29	0.00
TG-S05RE	Q2832-10RE	08/18/2025	17:09	PS031489.D	7.29	0.00
IBLK	IBLK	08/18/2025	17:44	PS031490.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/18/2025	18:09	PS031491.D	7.29	0.00

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2832
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 08/07/2025 08/07/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	08/07/2025	11:38	PS031378.D	7.75	0.00
HSTDICC200	HSTDICC200	08/07/2025	12:02	PS031379.D	7.75	0.00
HSTDICC500	HSTDICC500	08/07/2025	12:26	PS031380.D	7.75	0.00
HSTDICC750	HSTDICC750	08/07/2025	12:50	PS031381.D	7.75	0.00
HSTDICC1000	HSTDICC1000	08/07/2025	13:14	PS031382.D	7.75	0.00
HSTDICC1500	HSTDICC1500	08/07/2025	13:38	PS031383.D	7.75	0.00
IBLK	IBLK	08/15/2025	10:32	PS031453.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/15/2025	10:56	PS031454.D	7.75	0.00
PB169278BL	PB169278BL	08/15/2025	17:04	PS031455.D	7.74	0.00
PB169278BS	PB169278BS	08/15/2025	17:28	PS031456.D	7.74	0.00
PB169212TB	PB169212TB	08/15/2025	17:52	PS031457.D	7.74	0.00
TG-S01	Q2832-02	08/15/2025	18:40	PS031459.D	7.74	0.00
IBLK	IBLK	08/15/2025	19:05	PS031460.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/15/2025	19:29	PS031461.D	7.74	0.00
TG-S01MS	Q2832-02MS	08/15/2025	20:41	PS031462.D	7.74	0.00
TG-S01MSD	Q2832-02MSD	08/15/2025	21:05	PS031463.D	7.74	0.00
TG-S02	Q2832-04	08/15/2025	21:29	PS031464.D	7.74	0.00
TG-S03	Q2832-06	08/15/2025	21:54	PS031465.D	7.74	0.00
TG-S04	Q2832-08	08/15/2025	22:18	PS031466.D	7.74	0.00
TG-S05	Q2832-10	08/15/2025	22:42	PS031467.D	7.74	0.00
IBLK	IBLK	08/16/2025	00:43	PS031472.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/16/2025	01:07	PS031473.D	7.74	0.00
IBLK	IBLK	08/18/2025	11:59	PS031481.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/18/2025	12:23	PS031482.D	7.74	0.00
TG-S02RE	Q2832-04RE	08/18/2025	15:57	PS031486.D	7.74	0.00
TG-S03RE	Q2832-06RE	08/18/2025	16:21	PS031487.D	7.74	0.00
TG-S04RE	Q2832-08RE	08/18/2025	16:45	PS031488.D	7.74	0.00
TG-S05RE	Q2832-10RE	08/18/2025	17:09	PS031489.D	7.74	0.00
IBLK	IBLK	08/18/2025	17:44	PS031490.D	7.74	0.00
HSTDCCC750	HSTDCCC750	08/18/2025	18:09	PS031491.D	7.74	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169278BS

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Lab Sample ID: PB169278BS

Date(s) Analyzed: 08/15/2025 08/15/2025

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	9.29	9.24	9.34	5.50	9.5
	2	9.90	9.85	9.95	5.00	
2,4-D	1	8.42	8.37	8.47	5.30	9.9
	2	9.00	8.95	9.05	4.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TG-S01MS

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Lab Sample ID: Q2832-02MS

Date(s) Analyzed: 08/15/2025 08/15/2025

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	8.42	8.37	8.47	91.7	9.7
	2	9.00	8.95	9.05	83.2	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	75.7	0.5
	2	9.90	9.85	9.95	76.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TG-S01MSD

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Lab Sample ID: Q2832-02MSD

Date(s) Analyzed: 08/15/2025 08/15/2025

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	8.42	8.37	8.47	92.0	14.3
	2	9.00	8.95	9.05	79.7	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	76.5	5
	2	9.90	9.85	9.95	80.4	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
 Data File : PS031457.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 17:52
 Operator : AR\AJ
 Sample : PB169212TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB169212TB

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: Aug 18 03:47:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
 Quant Title : 8080.M
 QLast Update : Fri Aug 08 03:17:54 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	7.291	7.744	1402.4E6	407.7E6	441.841	482.245

Target Compounds

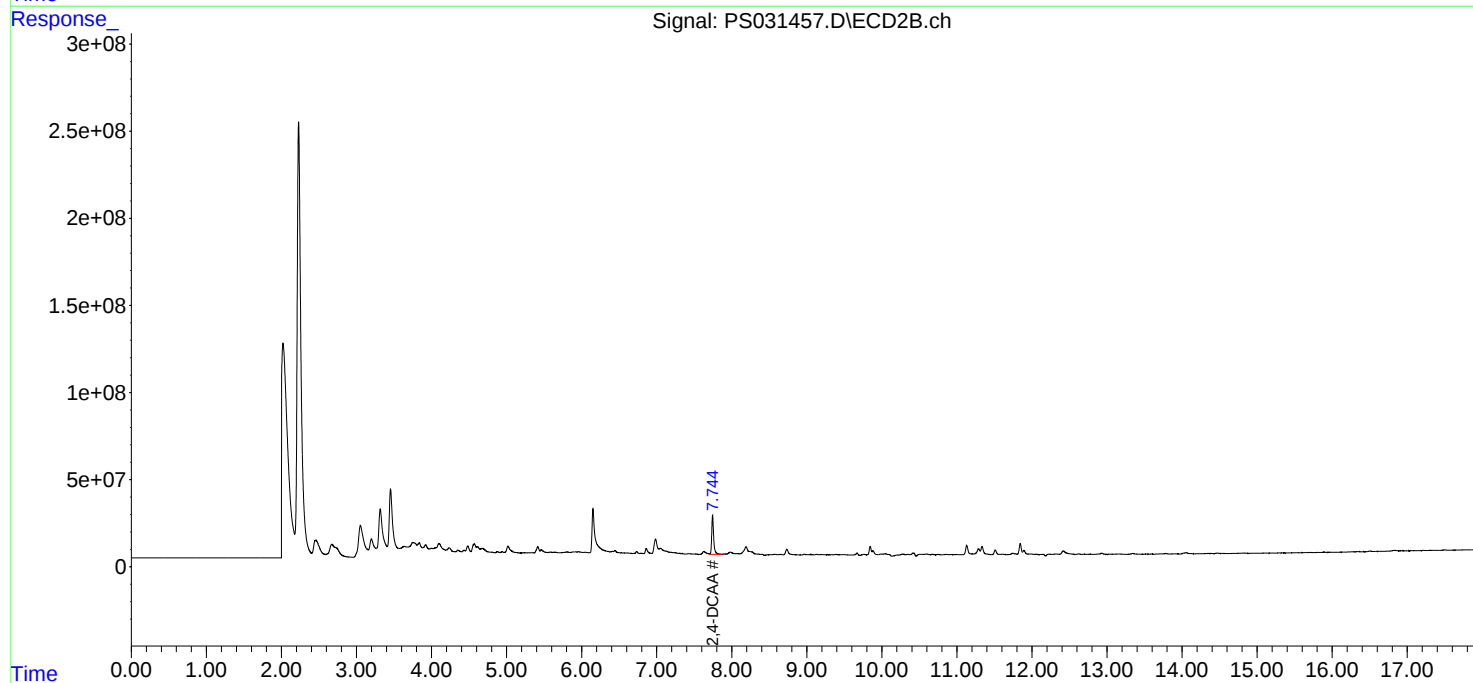
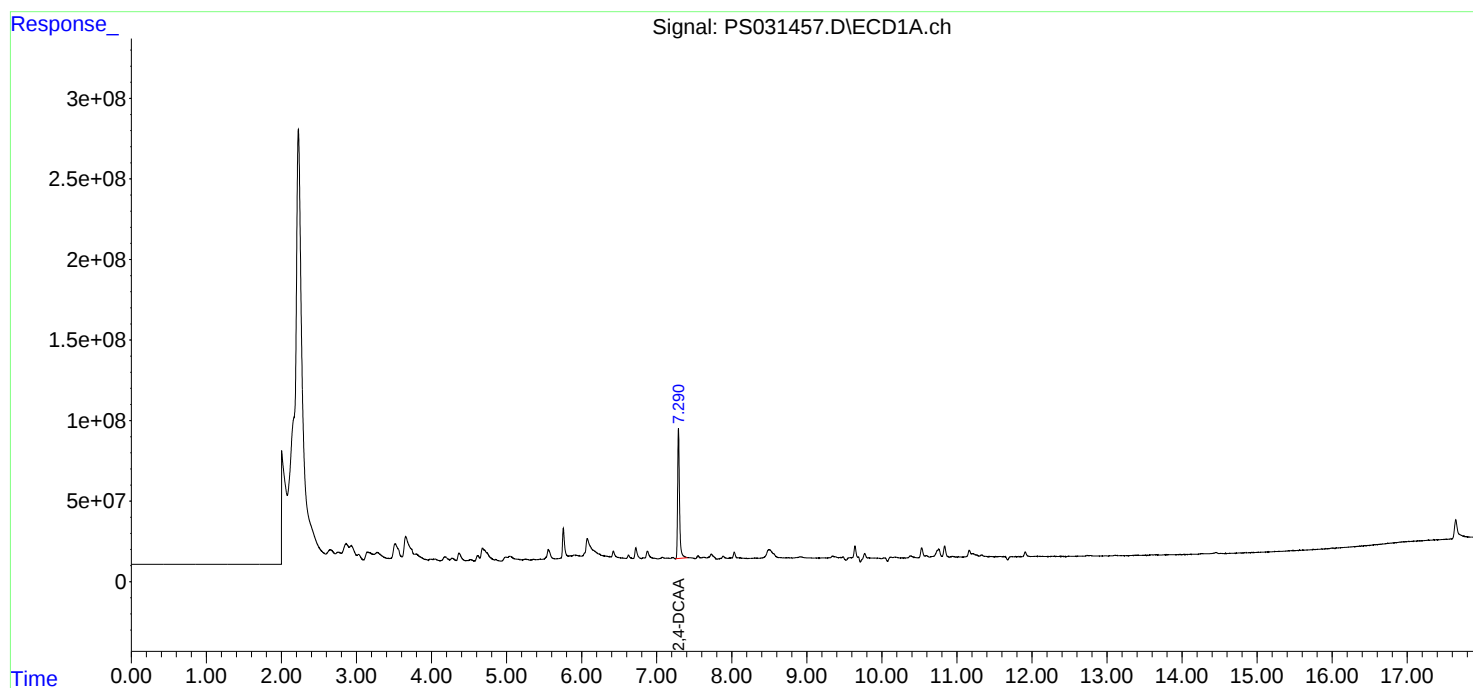
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:52
Operator : AR\AJ
Sample : PB169212TB
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169212TB

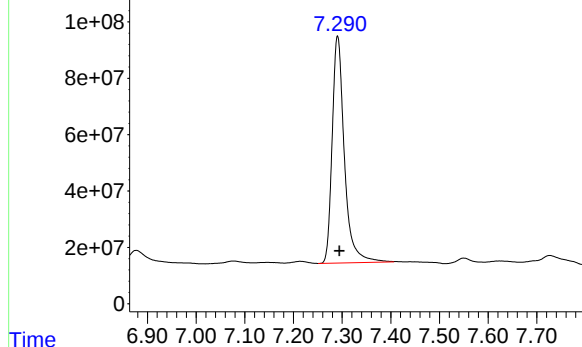
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:47:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PS031457.D\ECD1A.ch

#4 2,4-DCAA

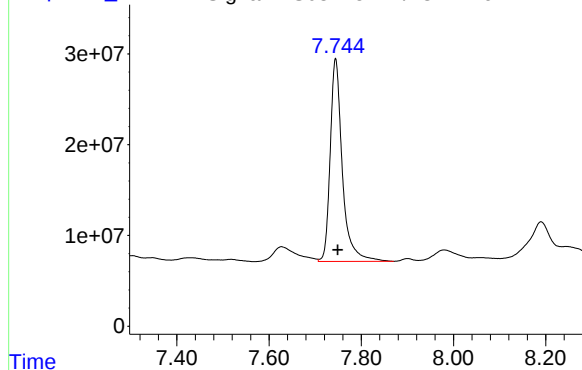


R.T.: 7.291 min
Delta R.T.: -0.004 min
Response: 1402397569
Conc: 441.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169212TB

Time Response_ Signal: PS031457.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.744 min
Delta R.T.: -0.005 min
Response: 407661209
Conc: 482.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031459.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:40
Operator : AR\AJ
Sample : Q2832-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S01

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: Aug 18 03:48:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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	7.289	7.743	2128.7E6	634.4E6	670.679	750.506

Target Compounds

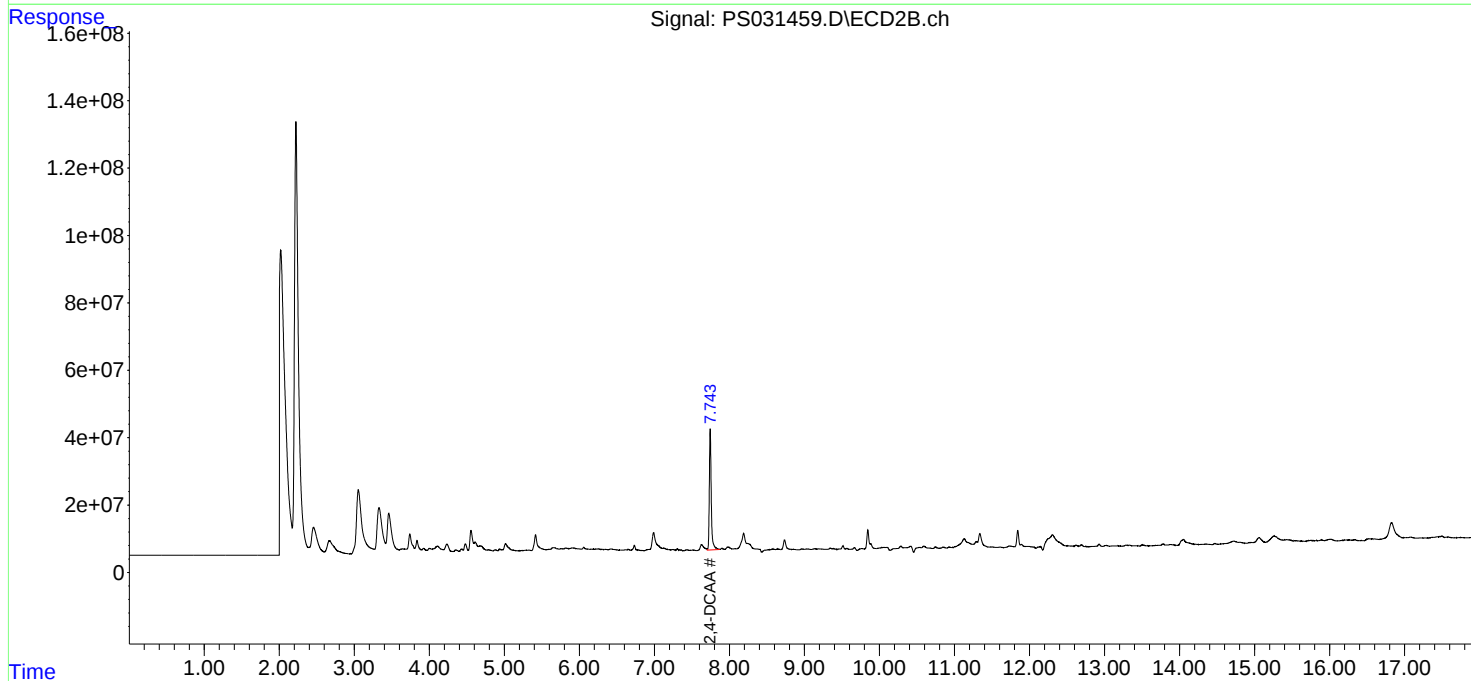
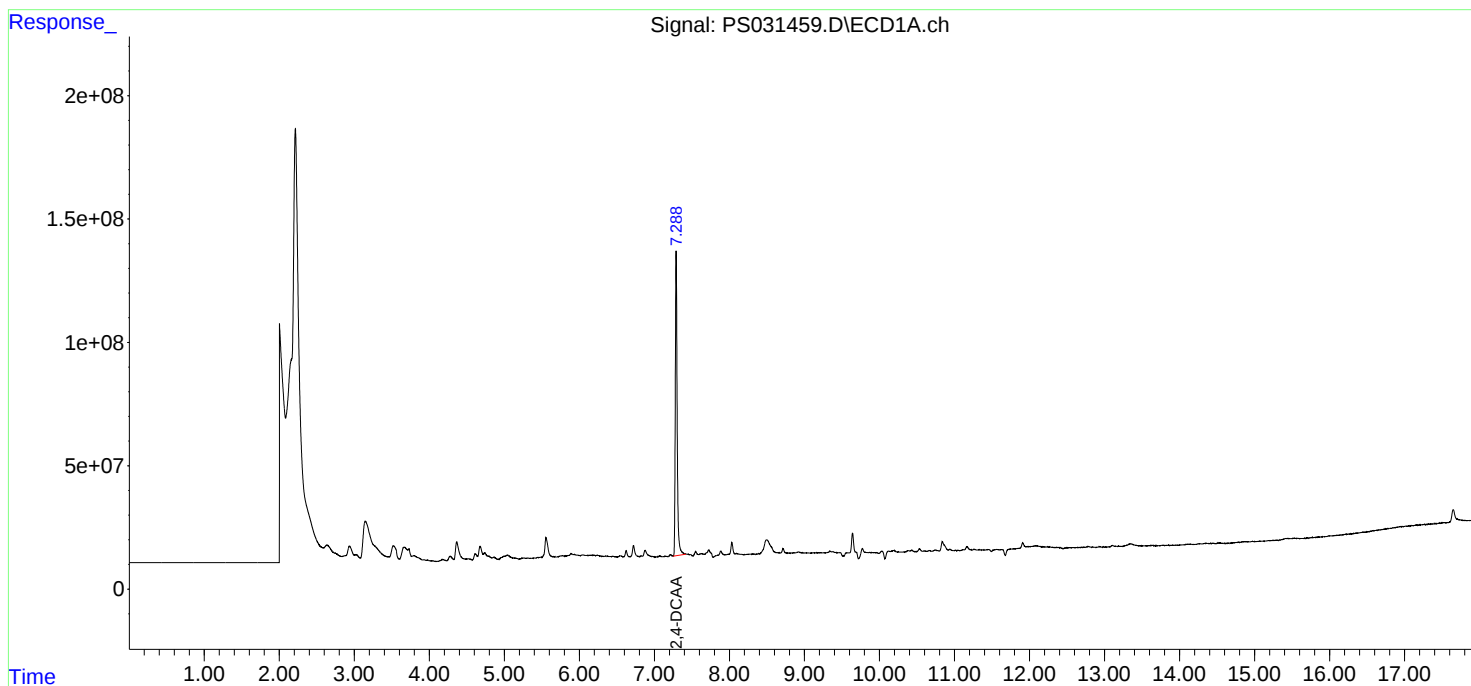
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

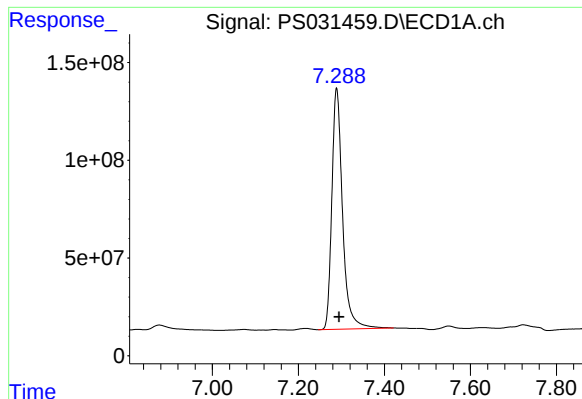
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031459.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:40
Operator : AR\AJ
Sample : Q2832-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:48:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

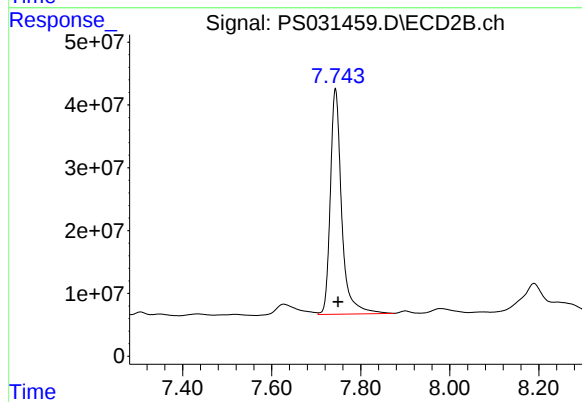




#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.006 min
Response: 2128726921
Conc: 670.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S01



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 634432768
Conc: 750.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 21:29
Operator : AR\AJ
Sample : Q2832-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:49:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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	7.289	7.744	2010.9E6	607.6E6	633.550	718.823

Target Compounds

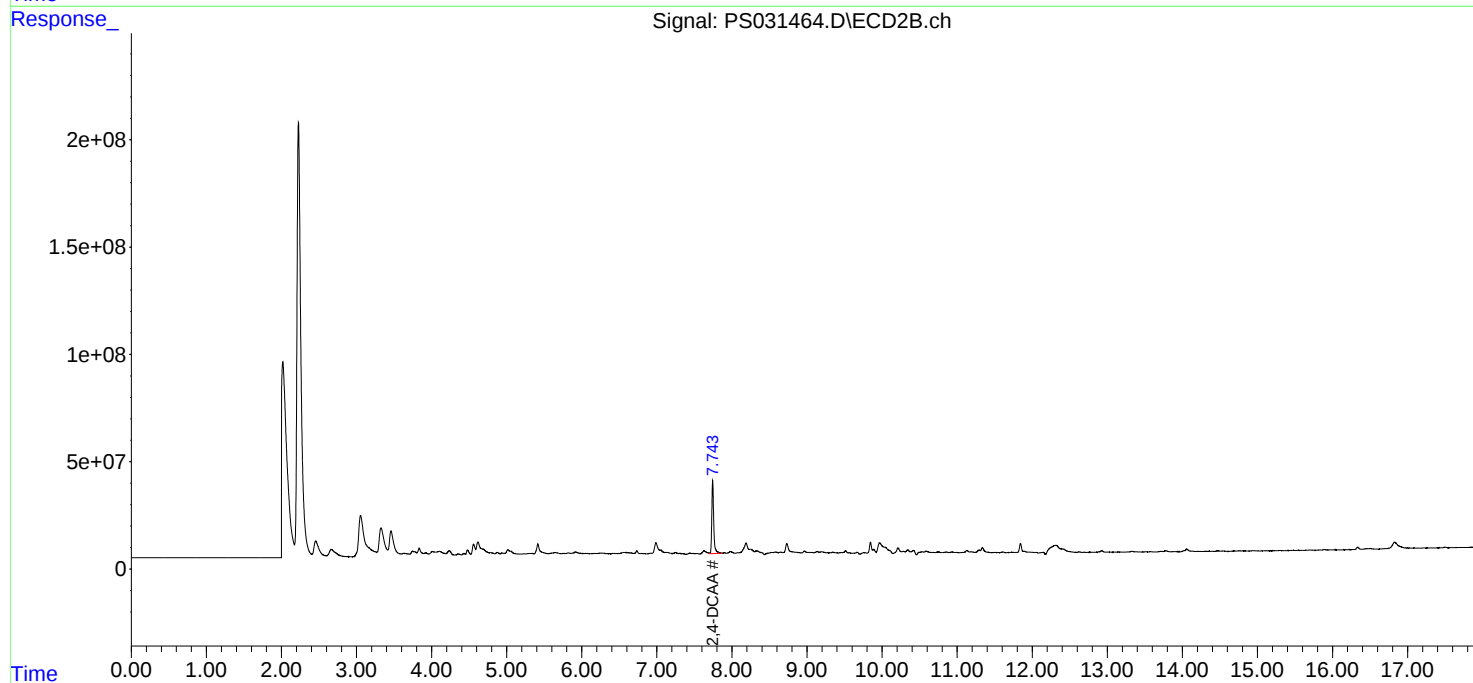
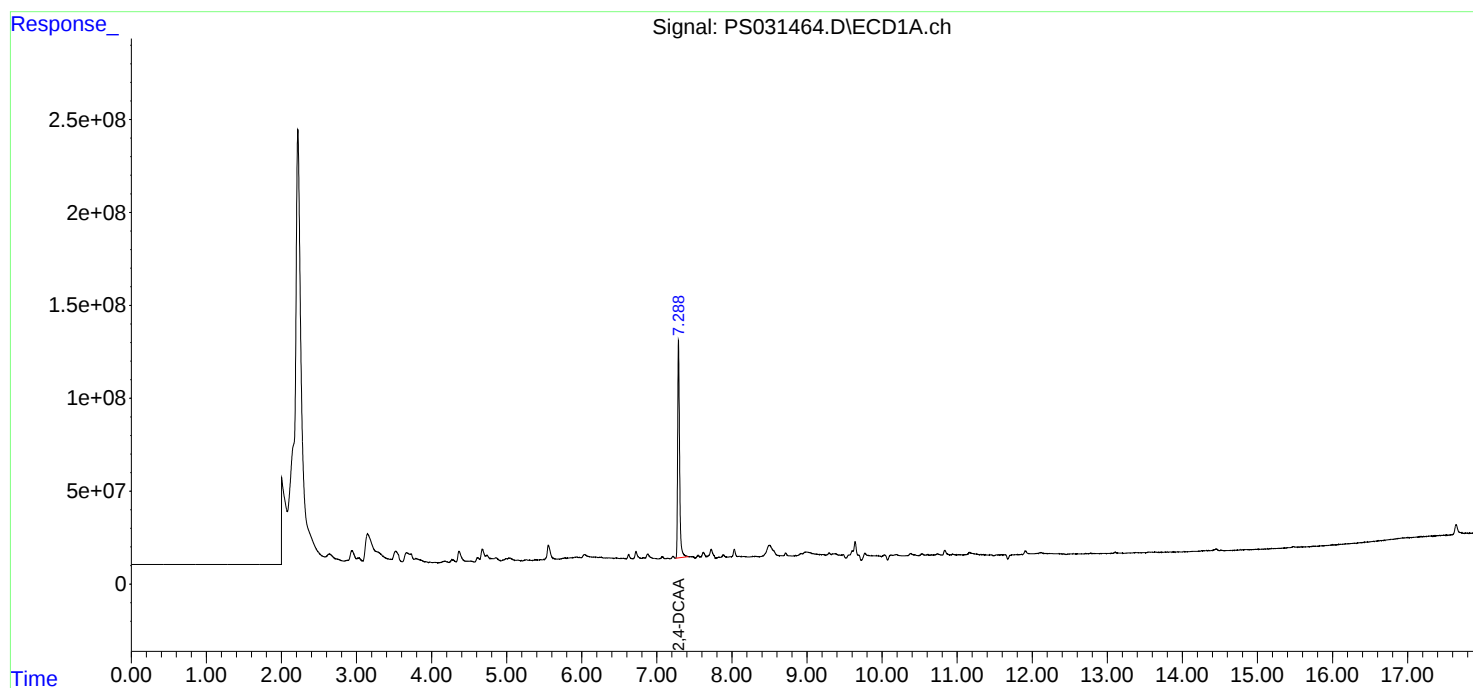
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

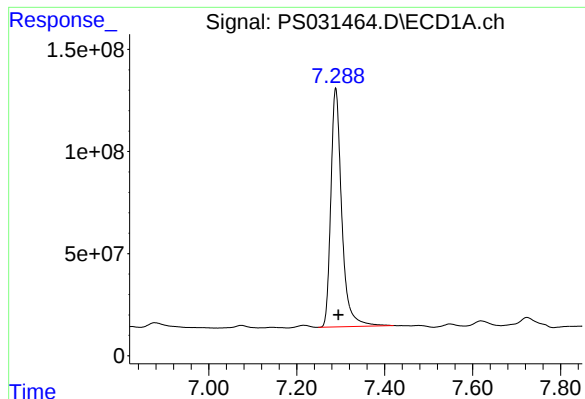
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 21:29
Operator : AR\AJ
Sample : Q2832-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:49:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

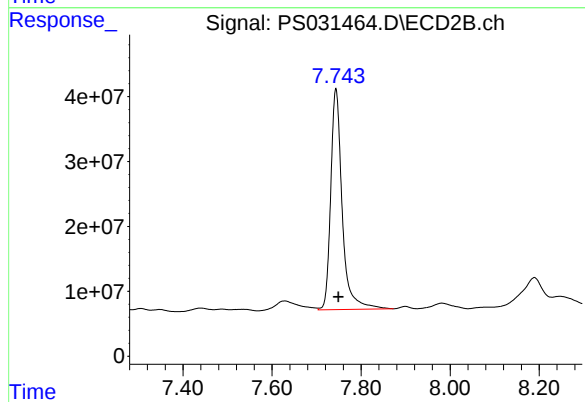




#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.006 min
Response: 2010881452
Conc: 633.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S02



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: -0.006 min
Response: 607649516
Conc: 718.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081825\
Data File : PS031486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 15:57
Operator : AR\AJ
Sample : Q2832-04RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S02RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 07:45:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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	7.289	7.743	2005.7E6	608.4E6	631.919	719.692

Target Compounds

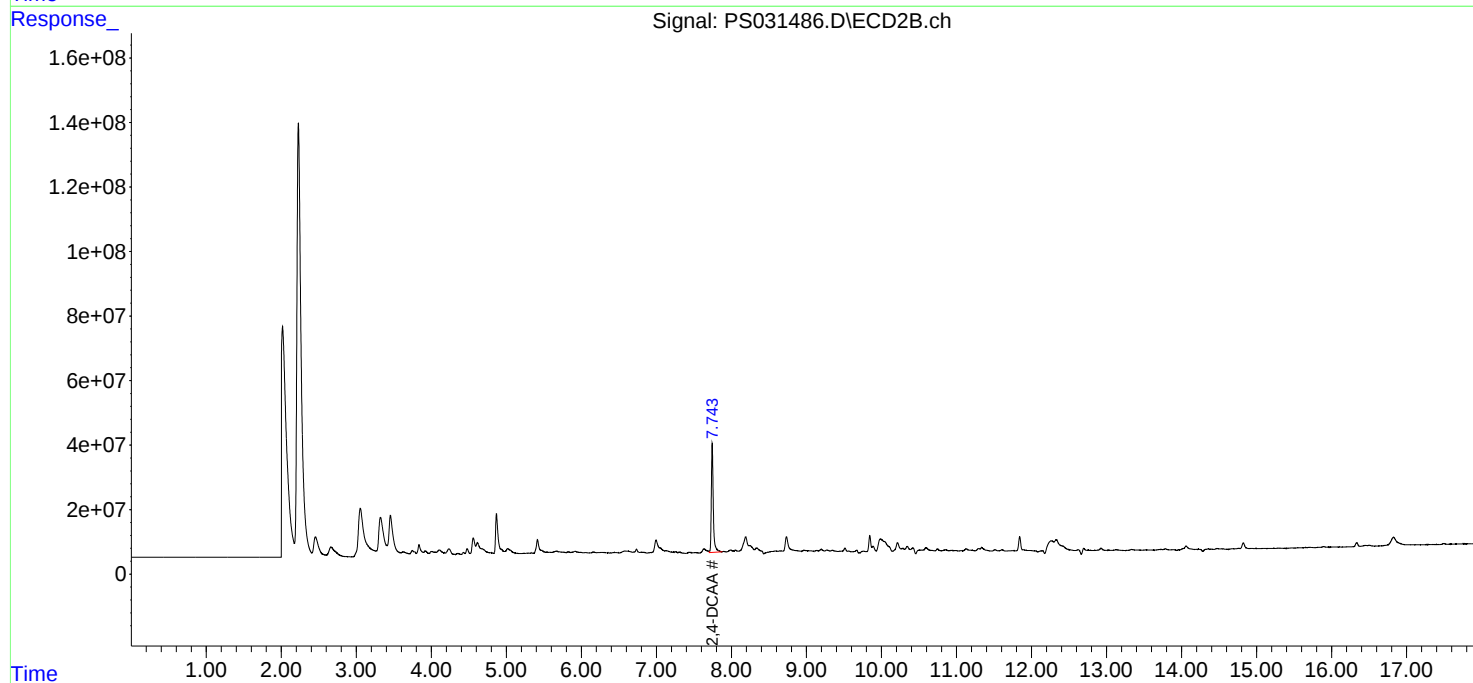
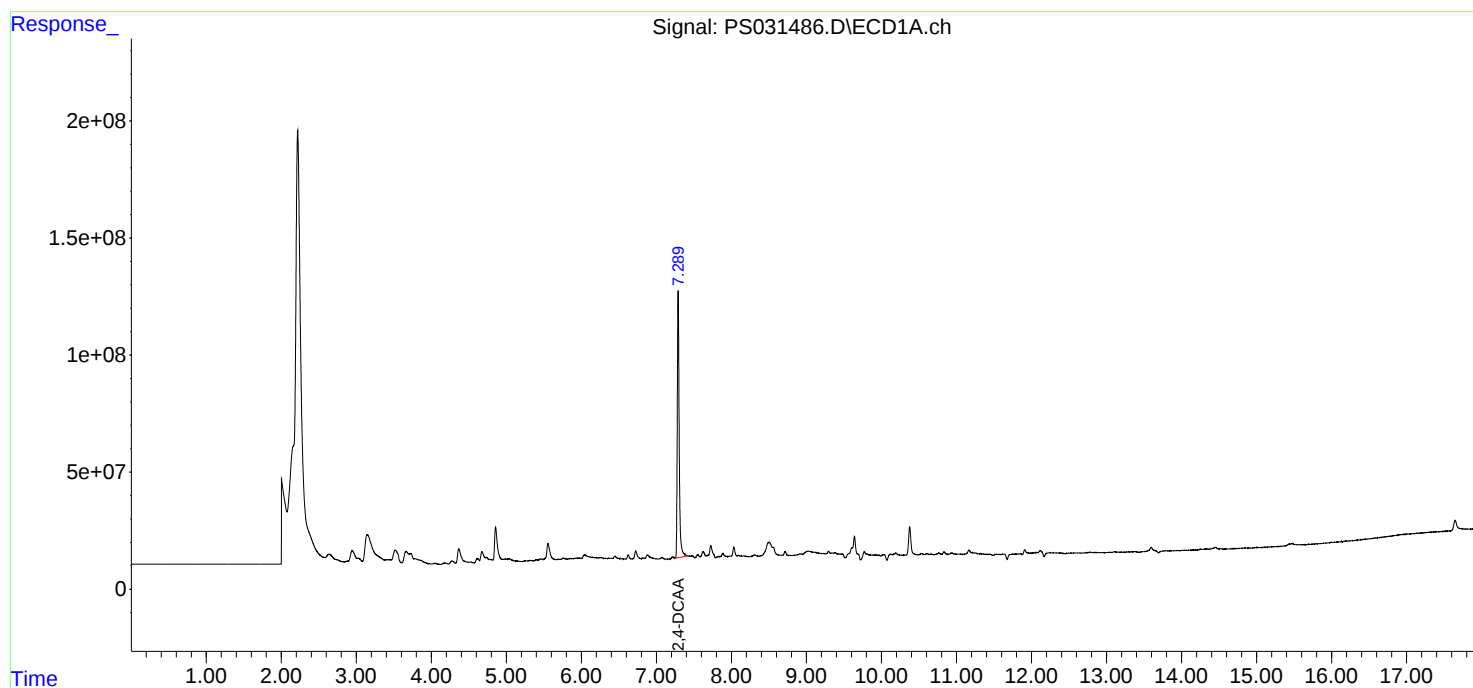
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

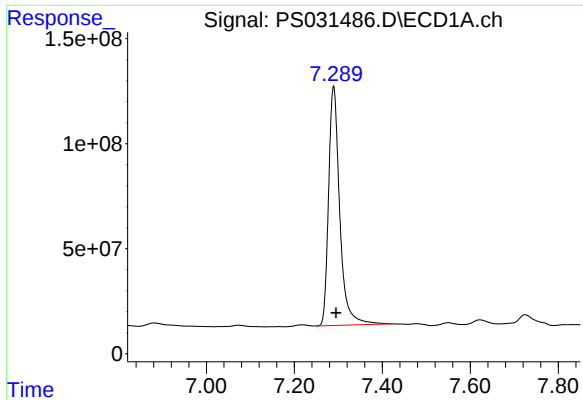
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081825\
Data File : PS031486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 15:57
Operator : AR\AJ
Sample : Q2832-04RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S02RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 07:45:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

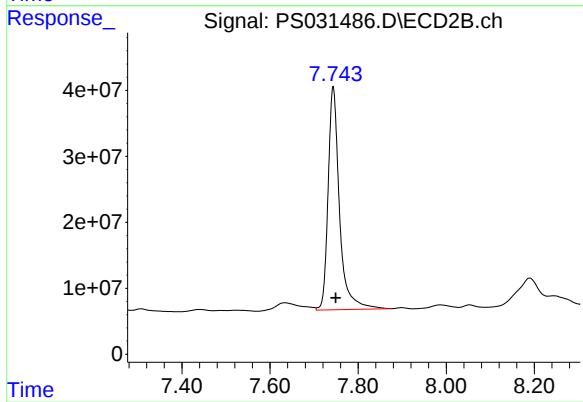




#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.006 min
Response: 2005701850
Conc: 631.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S02RE



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 608384473
Conc: 719.69 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 21:54
Operator : AR\AJ
Sample : Q2832-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S03

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:50:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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	7.289	7.744	2075.9E6	624.2E6	654.021	738.377

Target Compounds

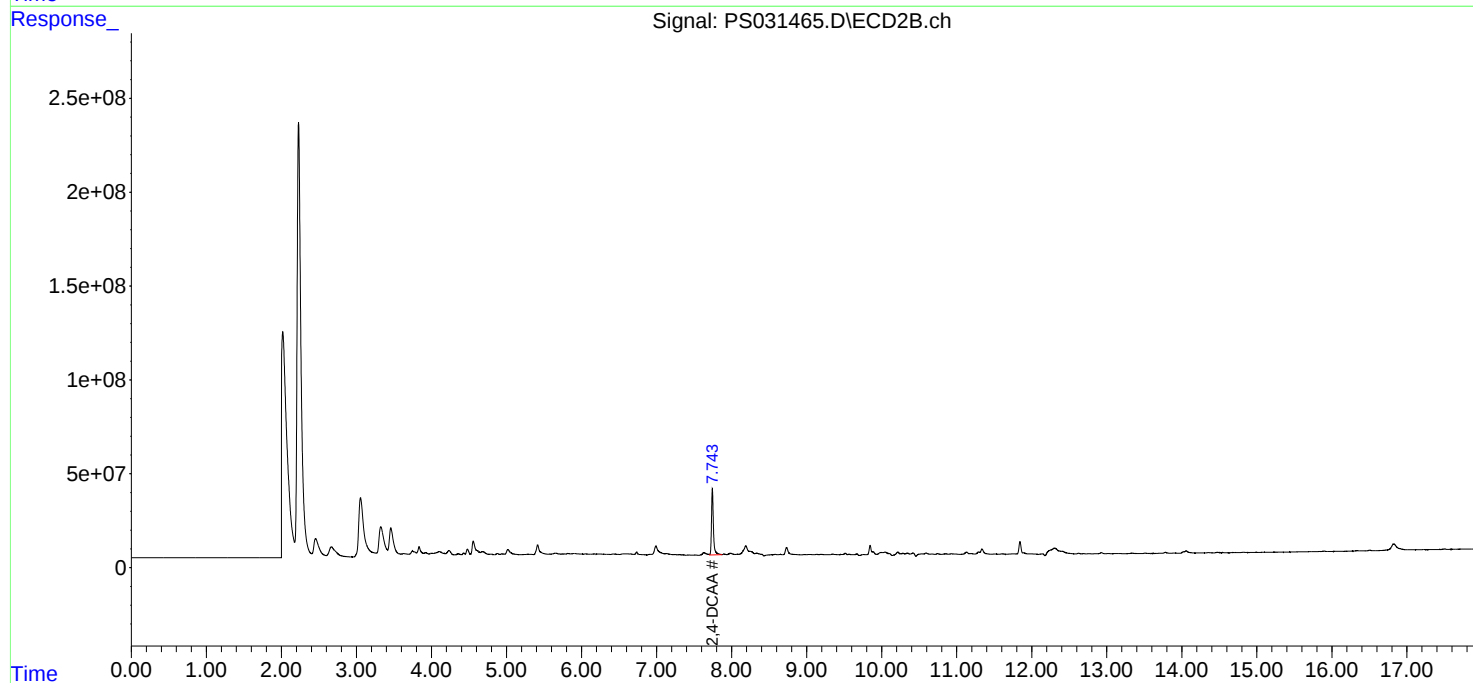
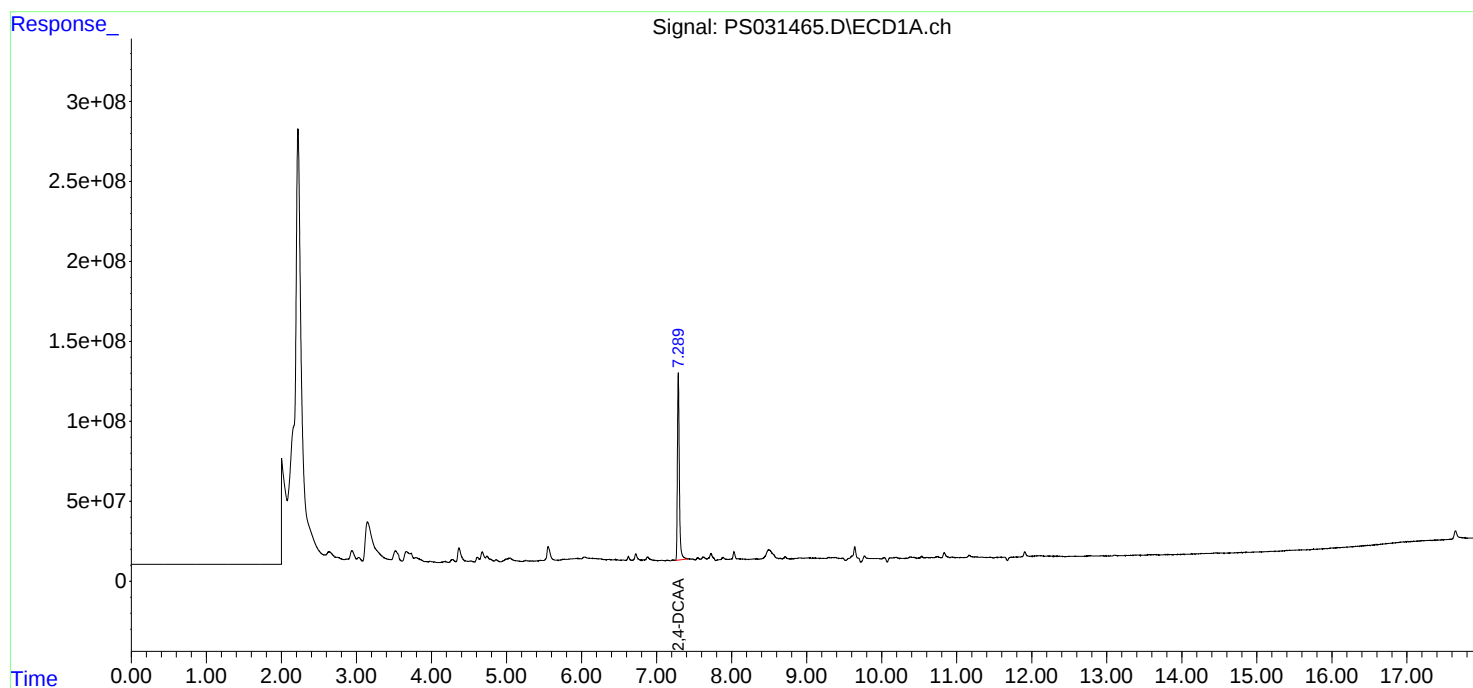
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

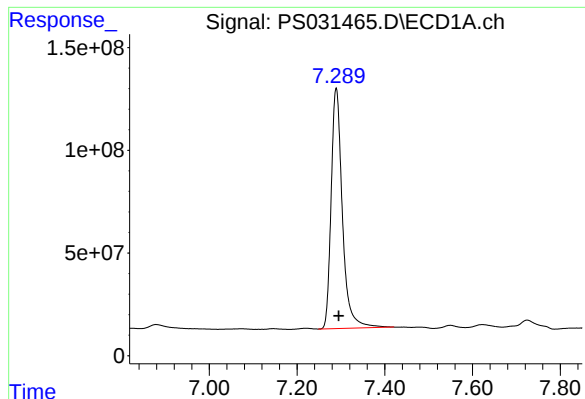
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 21:54
Operator : AR\AJ
Sample : Q2832-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S03

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:50:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

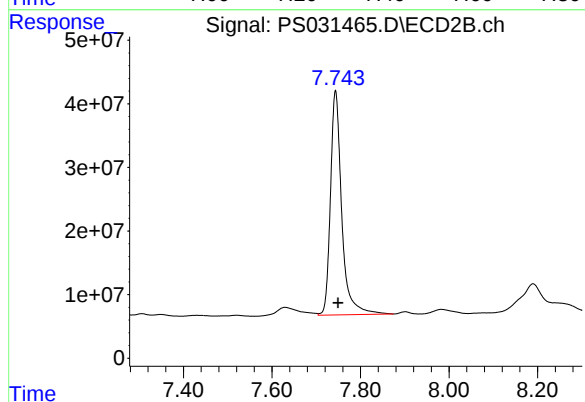




#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.005 min
Response: 2075854477
Conc: 654.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S03



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: -0.006 min
Response: 624178986
Conc: 738.38 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081825\
Data File : PS031487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:21
Operator : AR\AJ
Sample : Q2832-06RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S03RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 07:46:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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	7.288	7.743	2050.3E6	616.6E6	645.971	729.386

Target Compounds

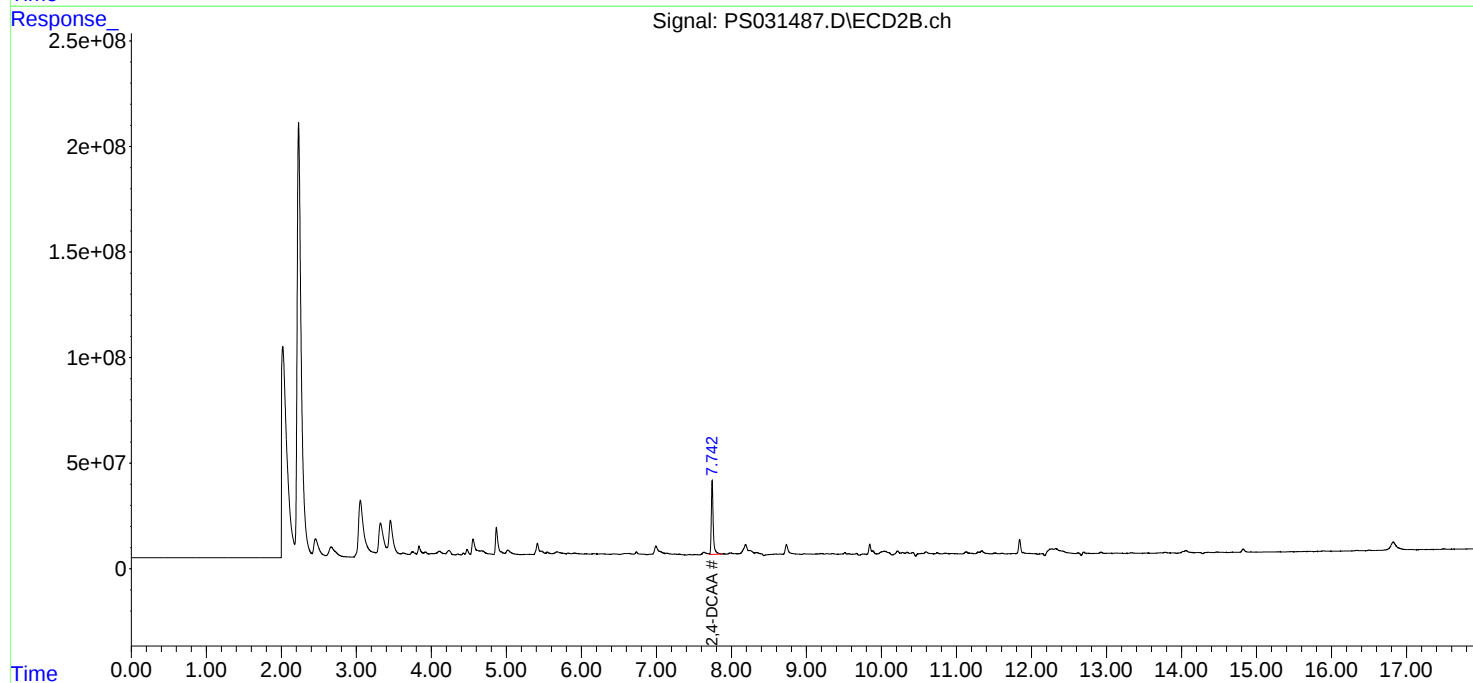
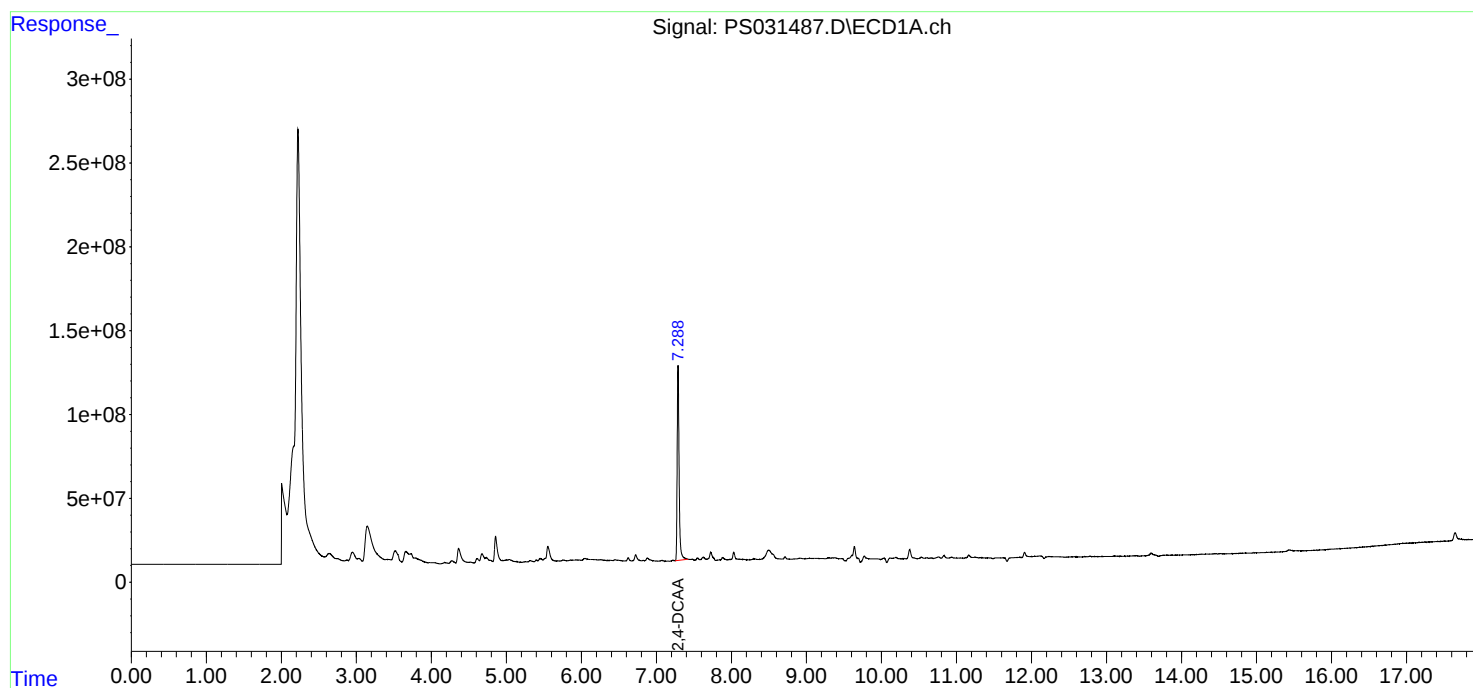
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

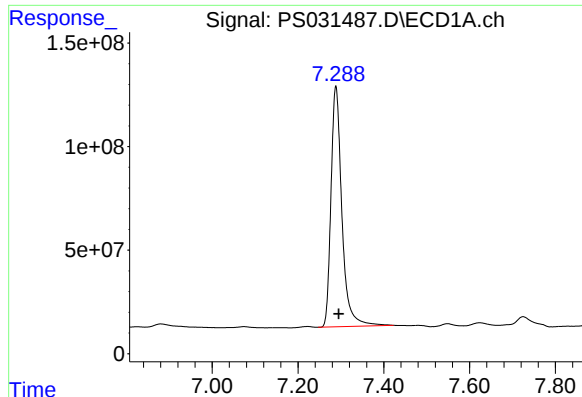
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081825\
Data File : PS031487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:21
Operator : AR\AJ
Sample : Q2832-06RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S03RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 07:46:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

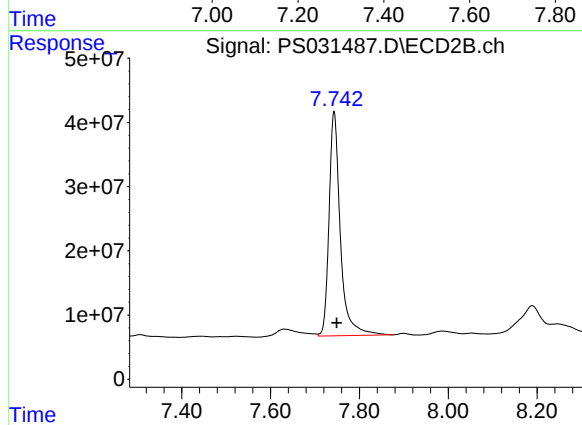




#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.006 min
Response: 2050305367
Conc: 645.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S03RE



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 616579020
Conc: 729.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 22:18
Operator : AR\AJ
Sample : Q2832-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S04

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: Aug 18 03:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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	7.289	7.743	2150.2E6	650.4E6	677.457	769.377

Target Compounds

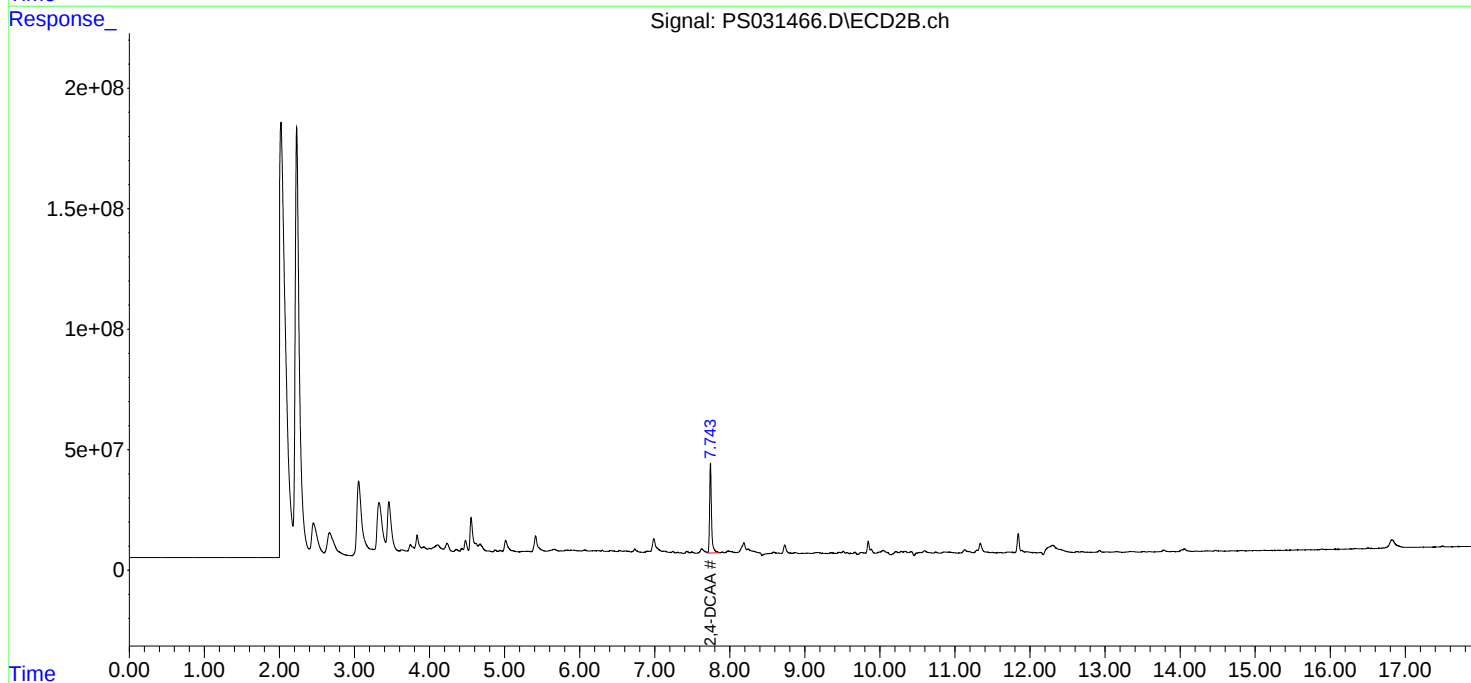
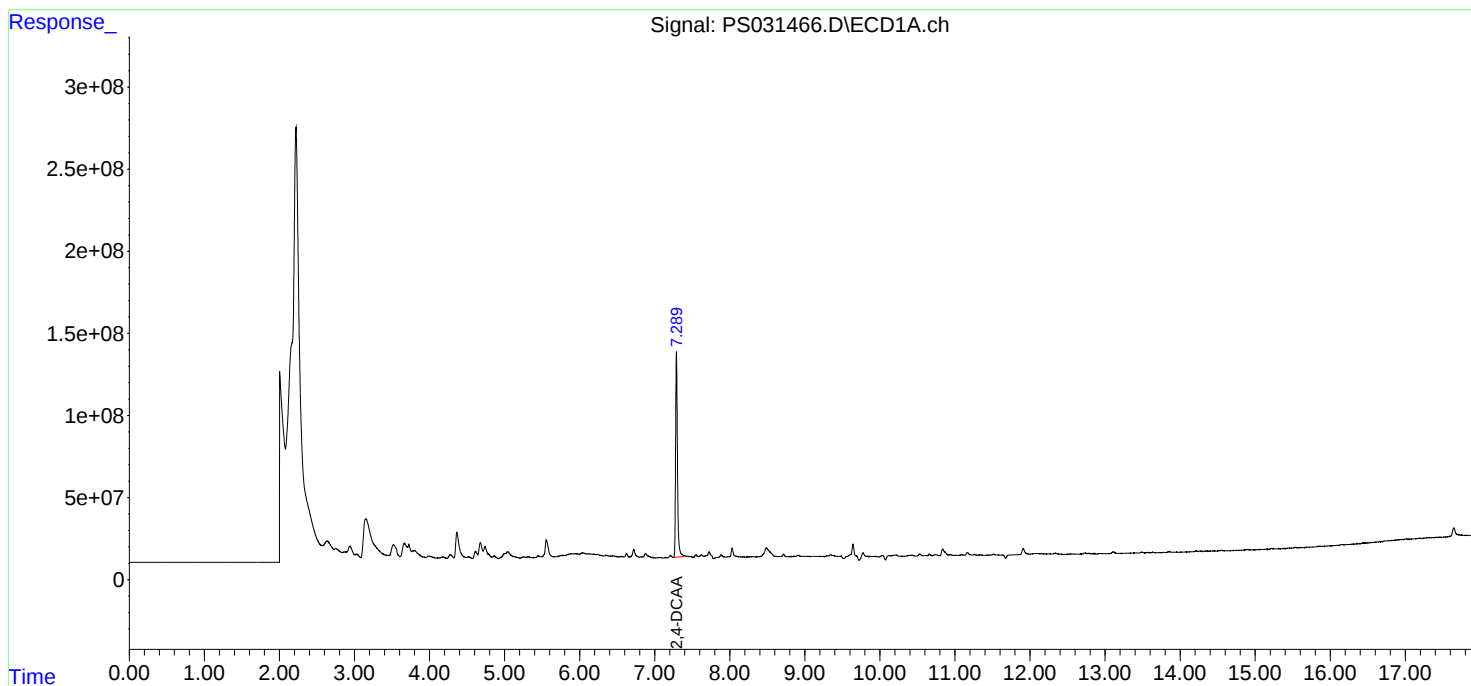
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

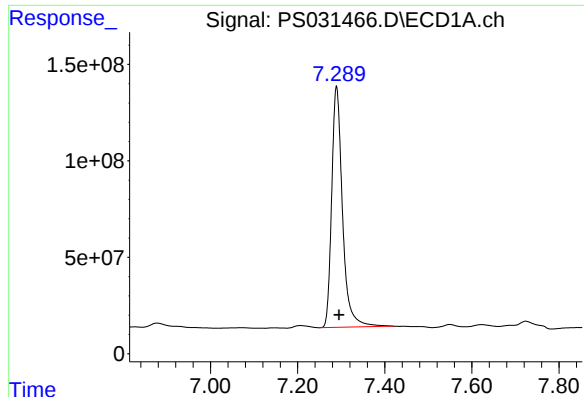
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 22:18
Operator : AR\AJ
Sample : Q2832-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S04

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

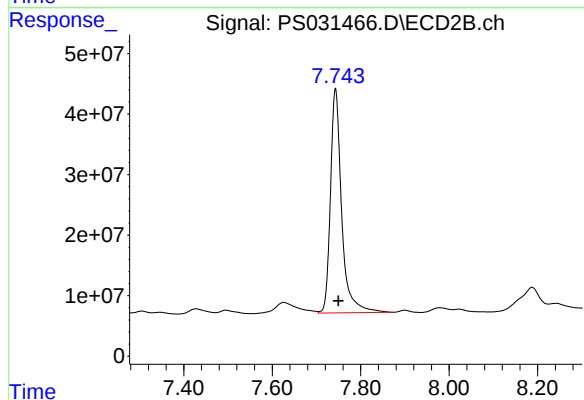




#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.005 min
Response: 2150238985
Conc: 677.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S04



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 650384519
Conc: 769.38 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081825\
 Data File : PS031488.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:45
 Operator : AR\AJ
 Sample : Q2832-08RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TG-S04RE

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: Aug 19 07:46:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
 Quant Title : 8080.M
 QLast Update : Fri Aug 08 03:17:54 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	7.288	7.743	2134.9E6	649.2E6	672.621	767.990

Target Compounds

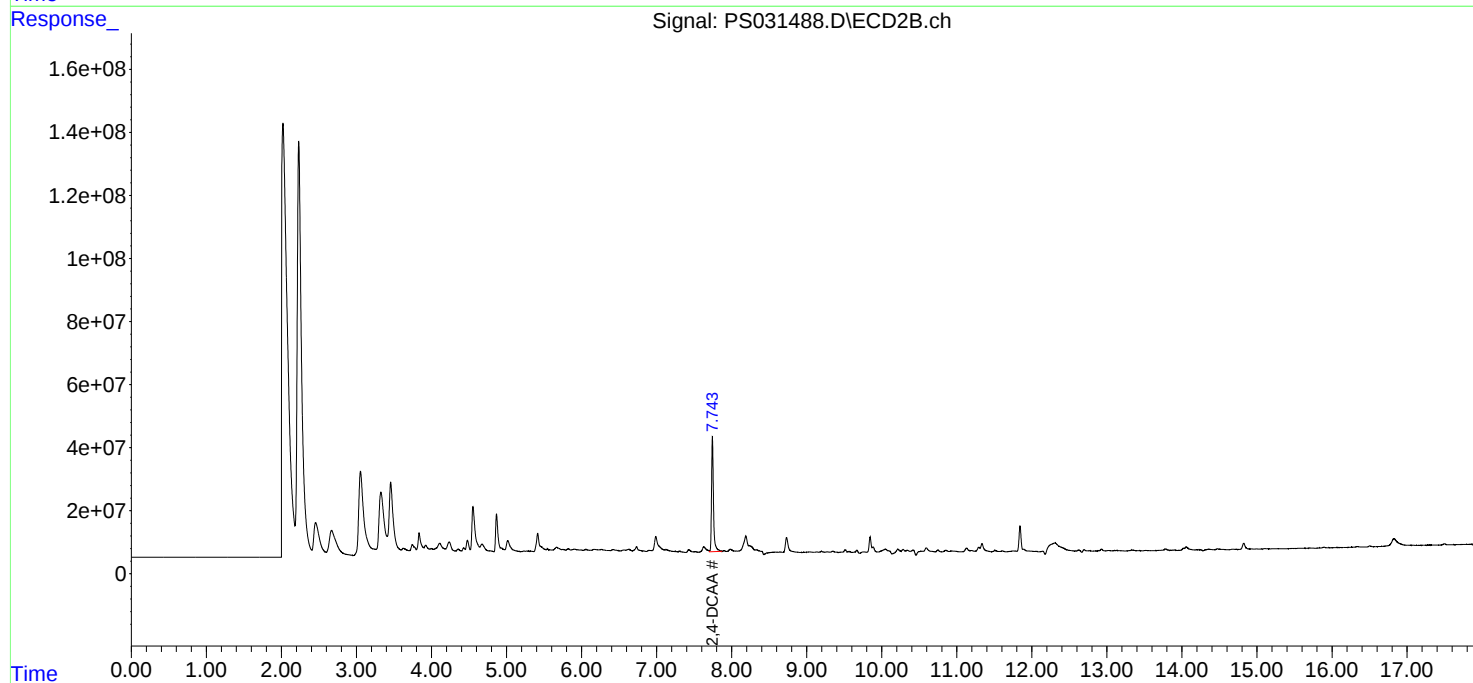
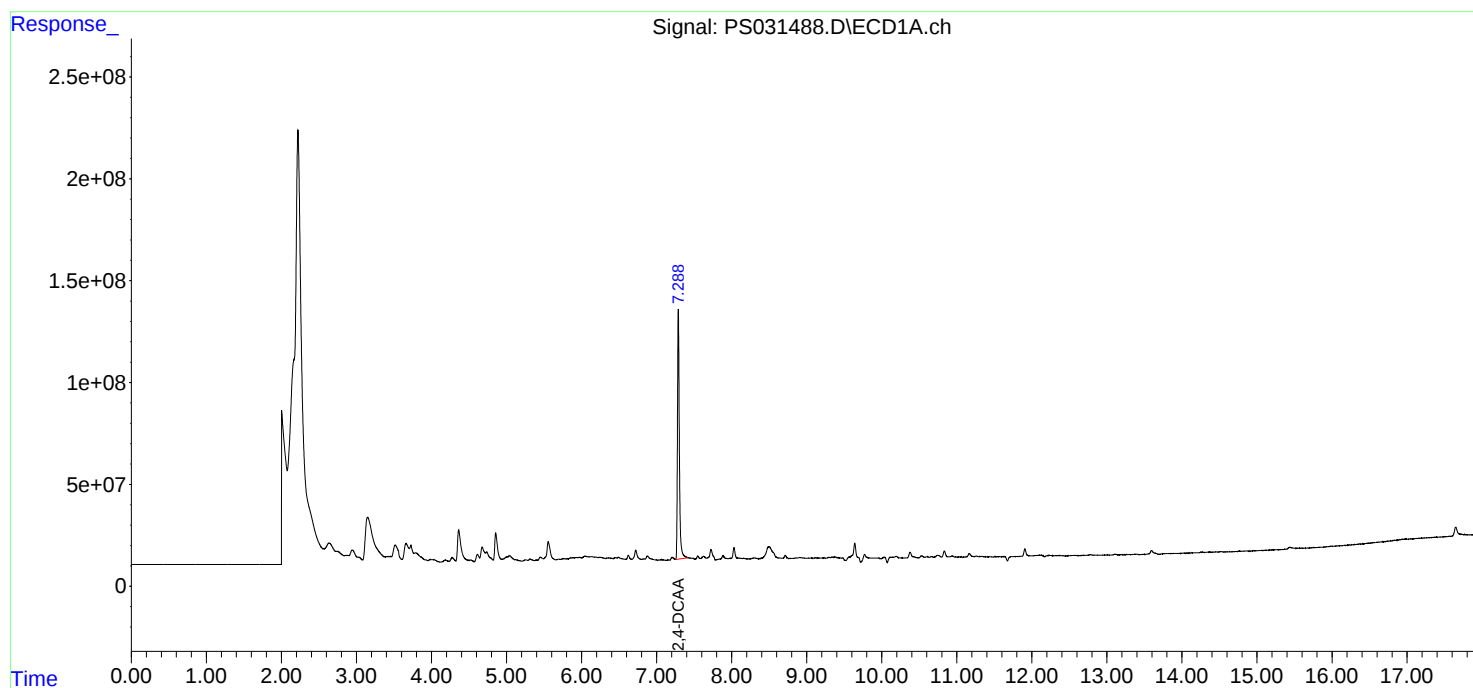
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

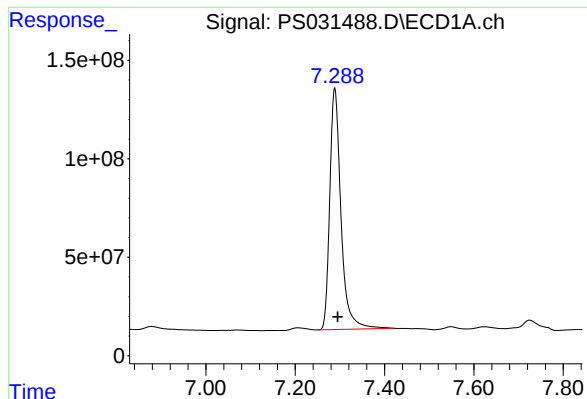
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081825\
Data File : PS031488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:45
Operator : AR\AJ
Sample : Q2832-08RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S04RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 07:46:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

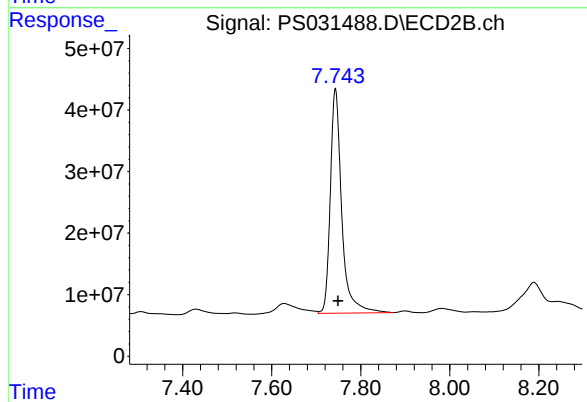




#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.006 min
Response: 2134890077
Conc: 672.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S04RE



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 649212257
Conc: 767.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031467.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 22:42
Operator : AR\AJ
Sample : Q2832-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S05

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:50:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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	7.288	7.742	2142.0E6	641.0E6	674.852	758.224

Target Compounds

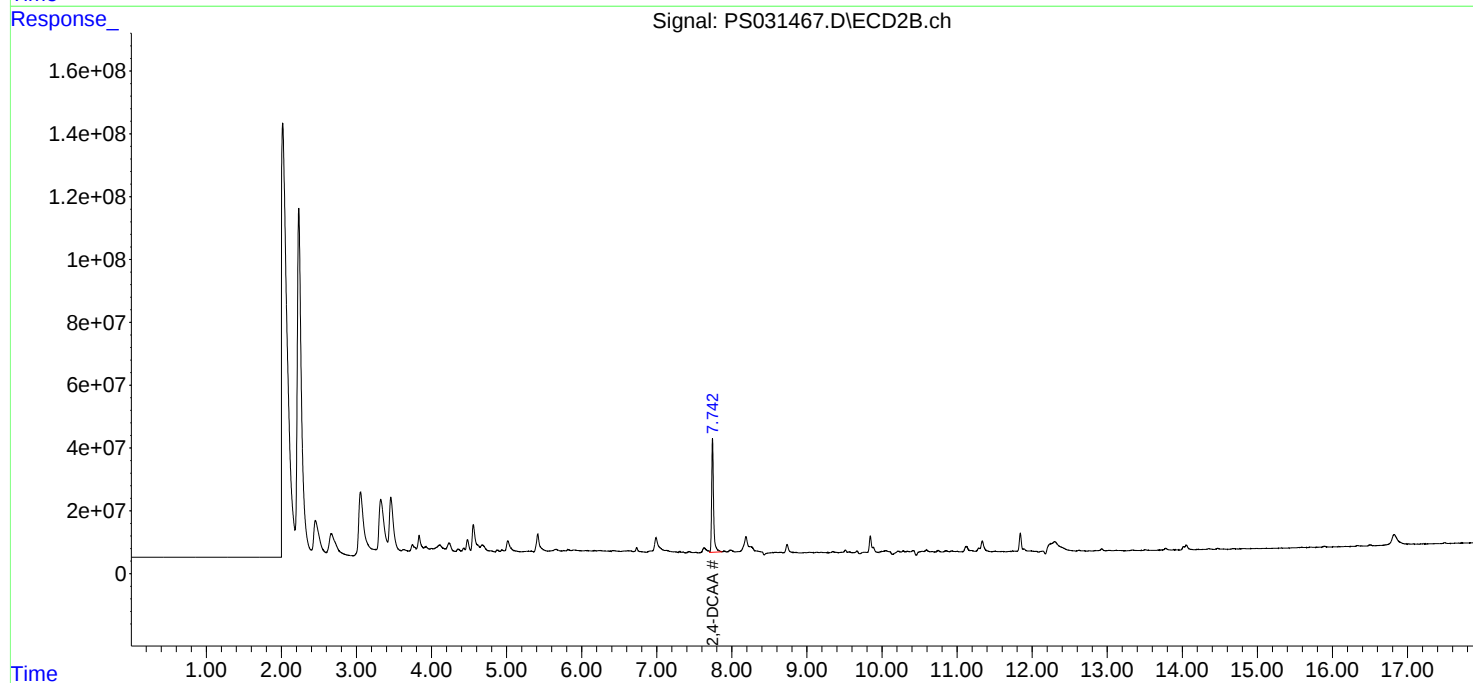
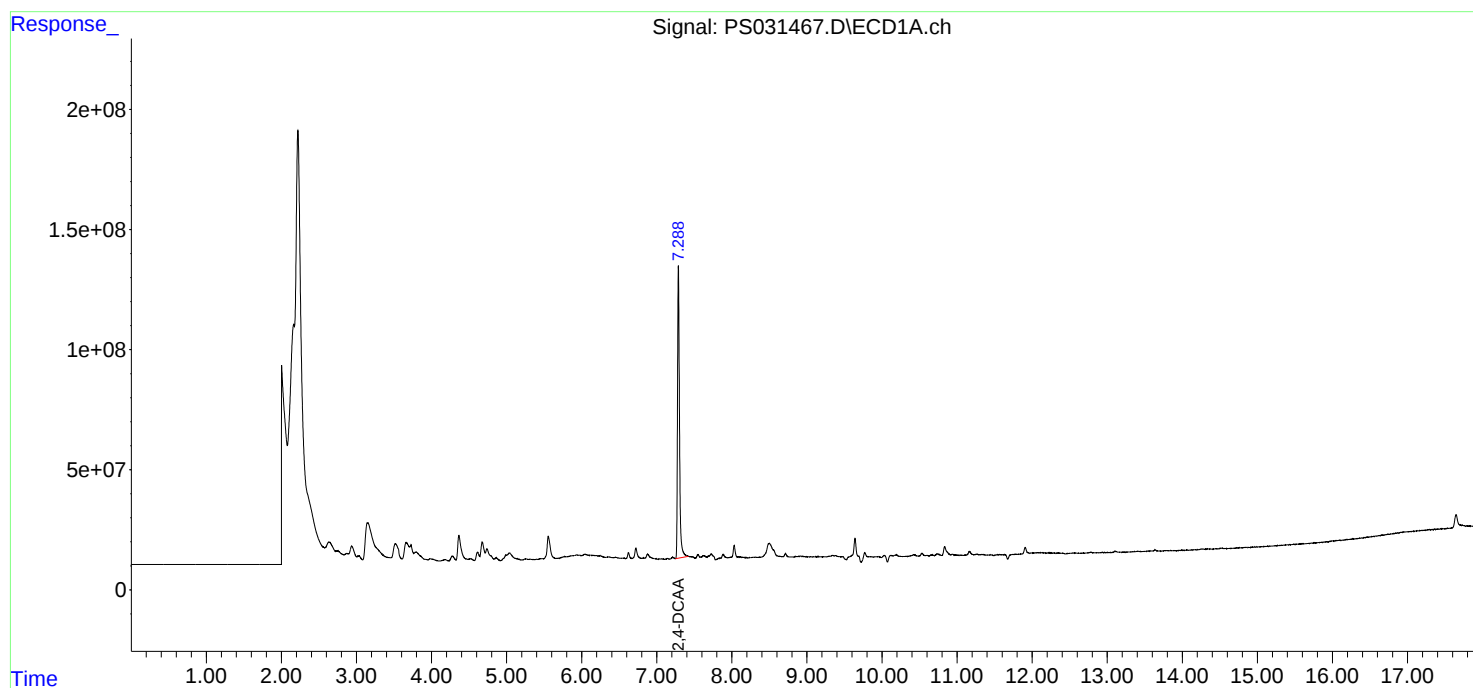
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

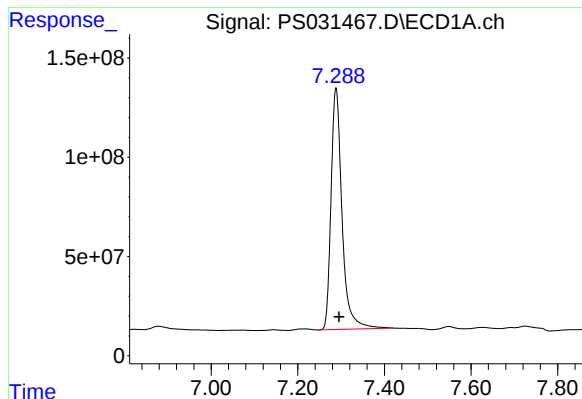
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031467.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 22:42
Operator : AR\AJ
Sample : Q2832-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S05

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:50:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

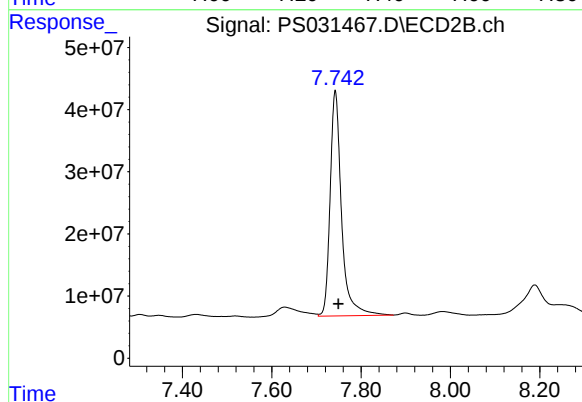




#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.007 min
Response: 2141971363
Conc: 674.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S05



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 640956461
Conc: 758.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081825\
Data File : PS031489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:09
Operator : AR\AJ
Sample : Q2832-10RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S05RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 07:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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	7.288	7.743	2075.0E6	630.6E6	653.745	745.933

Target Compounds

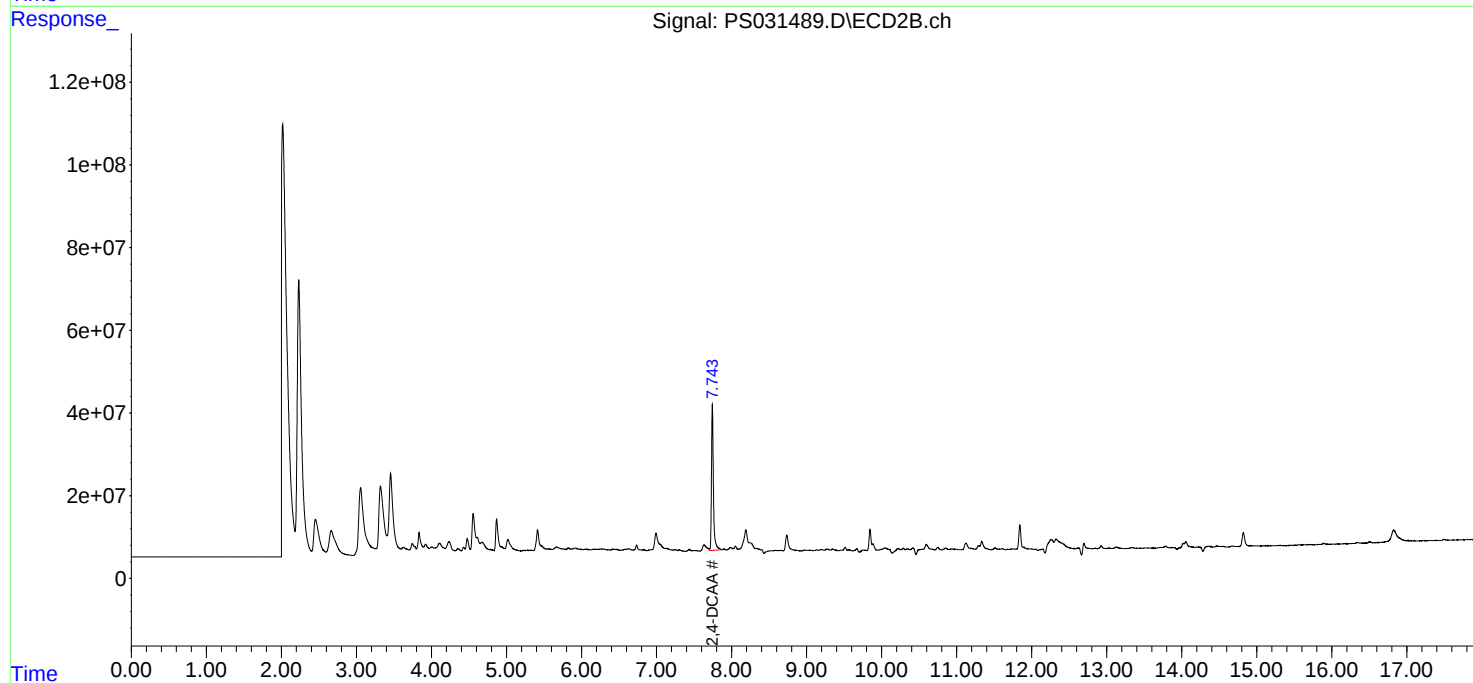
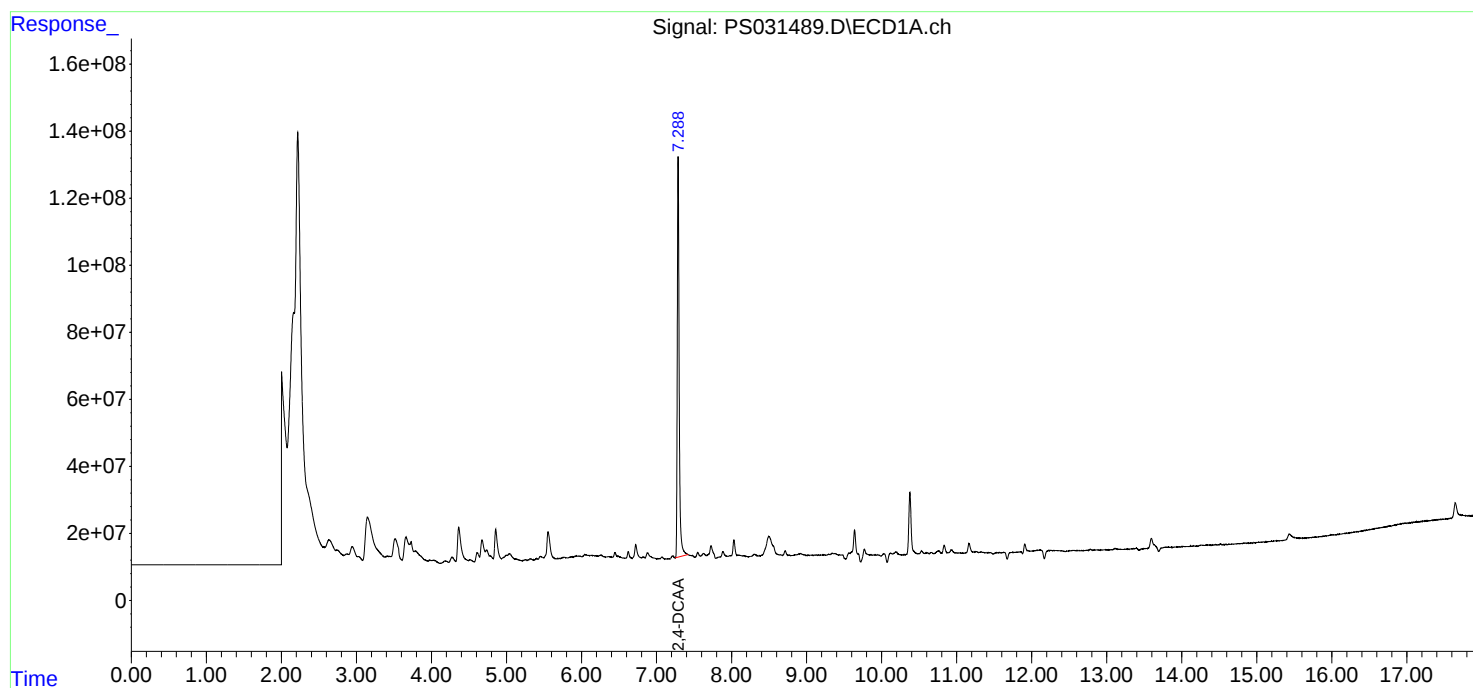
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

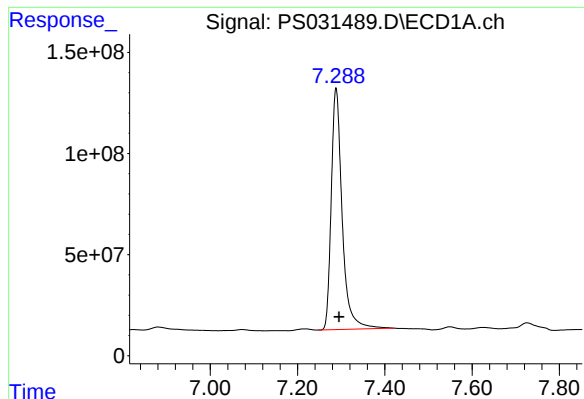
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081825\
Data File : PS031489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:09
Operator : AR\AJ
Sample : Q2832-10RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TG-S05RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 07:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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

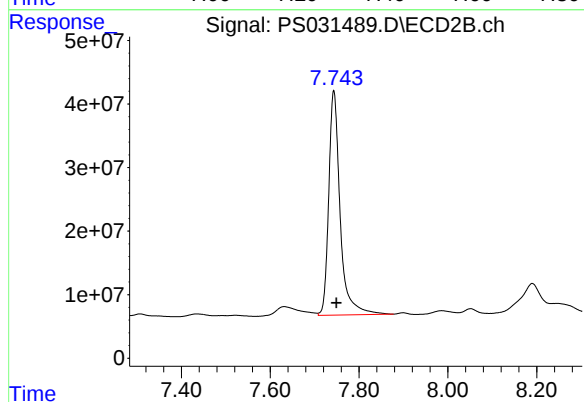




#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.007 min
Response: 2074979258
Conc: 653.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
TG-S05RE



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 630566969
Conc: 745.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
 Data File : PS031455.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 17:04
 Operator : AR\AJ
 Sample : PB169278BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB169278BL

A
B
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J
K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 03:46:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
 Quant Title : 8080.M
 QLast Update : Fri Aug 08 03:17:54 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	7.291	7.739	1428.5E6	430.5E6	450.077	509.257

Target Compounds

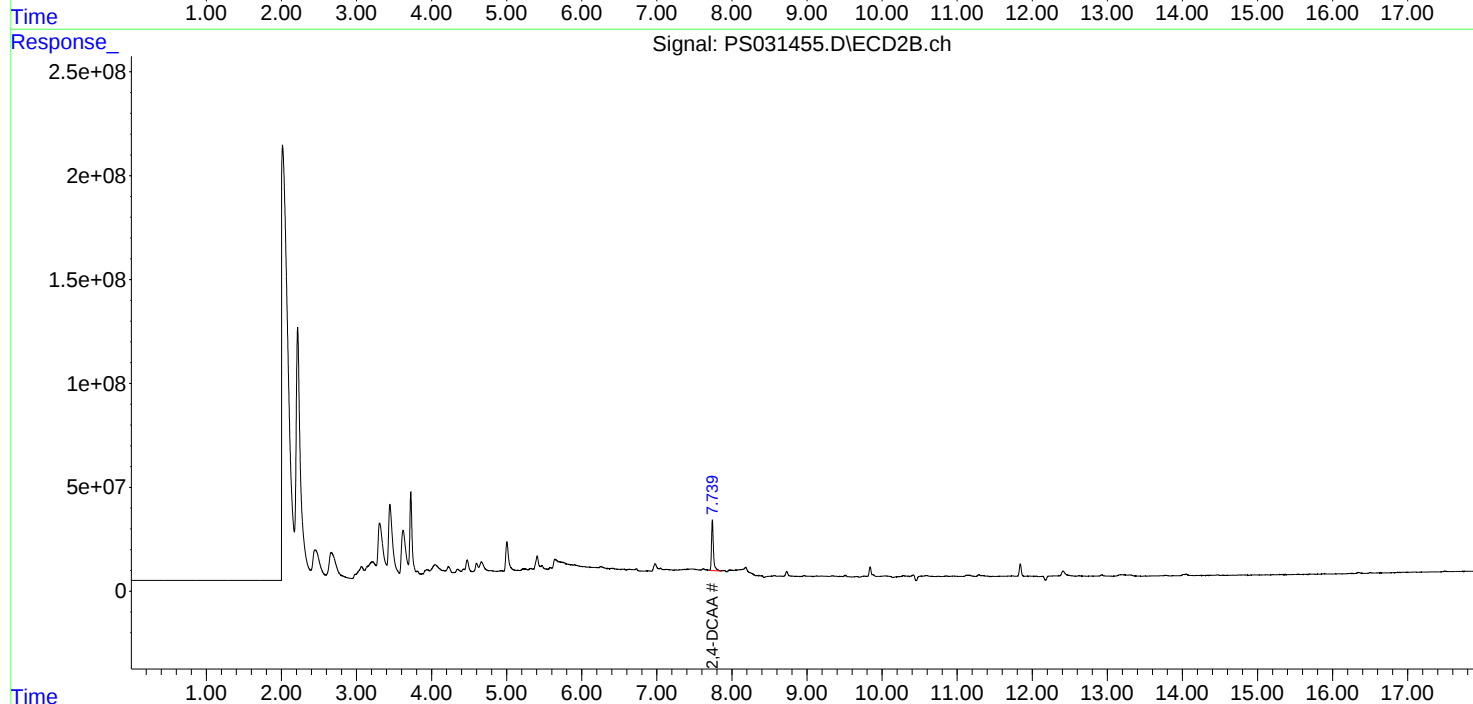
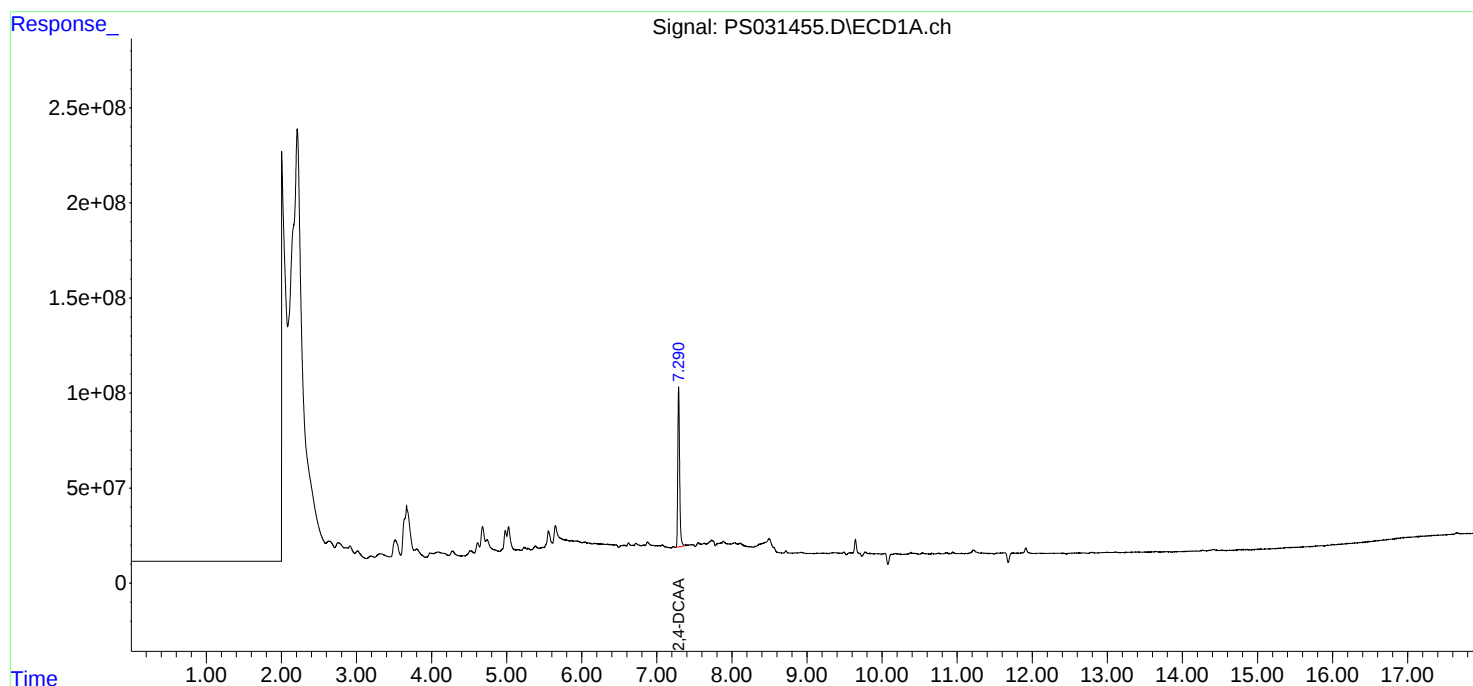
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:04
Operator : AR\AJ
Sample : PB169278BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169278BL

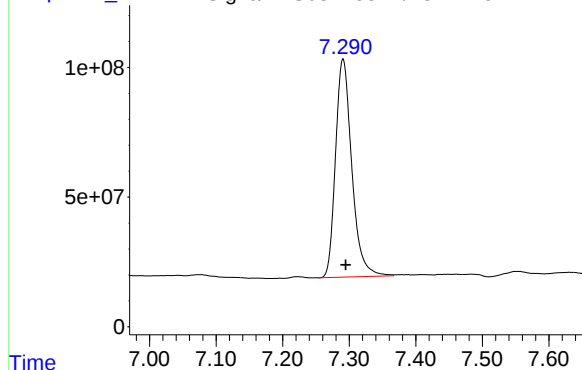
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:46:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS031455.D\ECD1A.ch

#4 2,4-DCAA

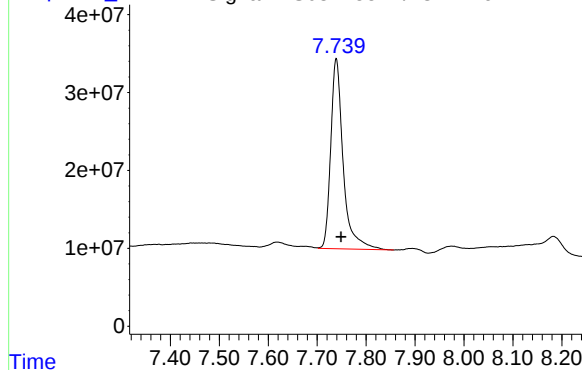


R.T.: 7.291 min
Delta R.T.: -0.004 min
Response: 1428540207
Conc: 450.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169278BL

Signal: PS031455.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.739 min
Delta R.T.: -0.010 min
Response: 430495148
Conc: 509.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
 Data File : PS031456.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 17:28
 Operator : AR\AJ
 Sample : PB169278BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB169278BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 03:47:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
 Quant Title : 8080.M
 QLast Update : Fri Aug 08 03:17:54 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	7.290	7.744	1780.6E6	430.4E6	561.008	509.119
Target Compounds							
1) T	Dalapon	2.675	2.694	2463.6E6	1202.1E6	469.350	451.732
2) T	3,5-DICHL...	6.457	6.695	2452.5E6	657.9E6	519.793	486.653
3) T	4-Nitroph...	7.097	7.292	513.2E6	536.3E6	497.436	426.705
5) T	DICAMBA	7.475	7.941	7262.2E6	2773.3E6	519.972	488.032
6) T	MCPD	7.653	8.037	404.0E6	84283294	50.218	47.676
7) T	MCPA	7.802	8.285	489.9E6	129.6E6	49.178	46.182
8) T	DICHLORPROP	8.184	8.661	1660.7E6	655.8E6	523.475	491.209
9) T	2,4-D	8.419	9.002	1535.5E6	678.7E6	533.765	475.544
10) T	Pentachlo...	8.716	9.512	26991.5E6	17993.5E6	562.178	516.632
11) T	2,4,5-TP ...	9.294	9.897	9796.9E6	6593.7E6	546.586	502.722
12) T	2,4,5-T	9.590	10.326	8148.5E6	5820.1E6	556.168	491.574
13) T	2,4-DB	10.166	10.894	1017.7E6	445.5E6	529.576	461.694
14) T	DINOSEB	11.366	11.271	6914.4E6	4643.3E6	545.362	490.994
15) T	Picloram	11.192	12.392	6747.6E6	7825.6E6	516.889	446.419
16) T	DCPA	11.666	12.313	13012.0E6	10226.9E6	571.218	519.123

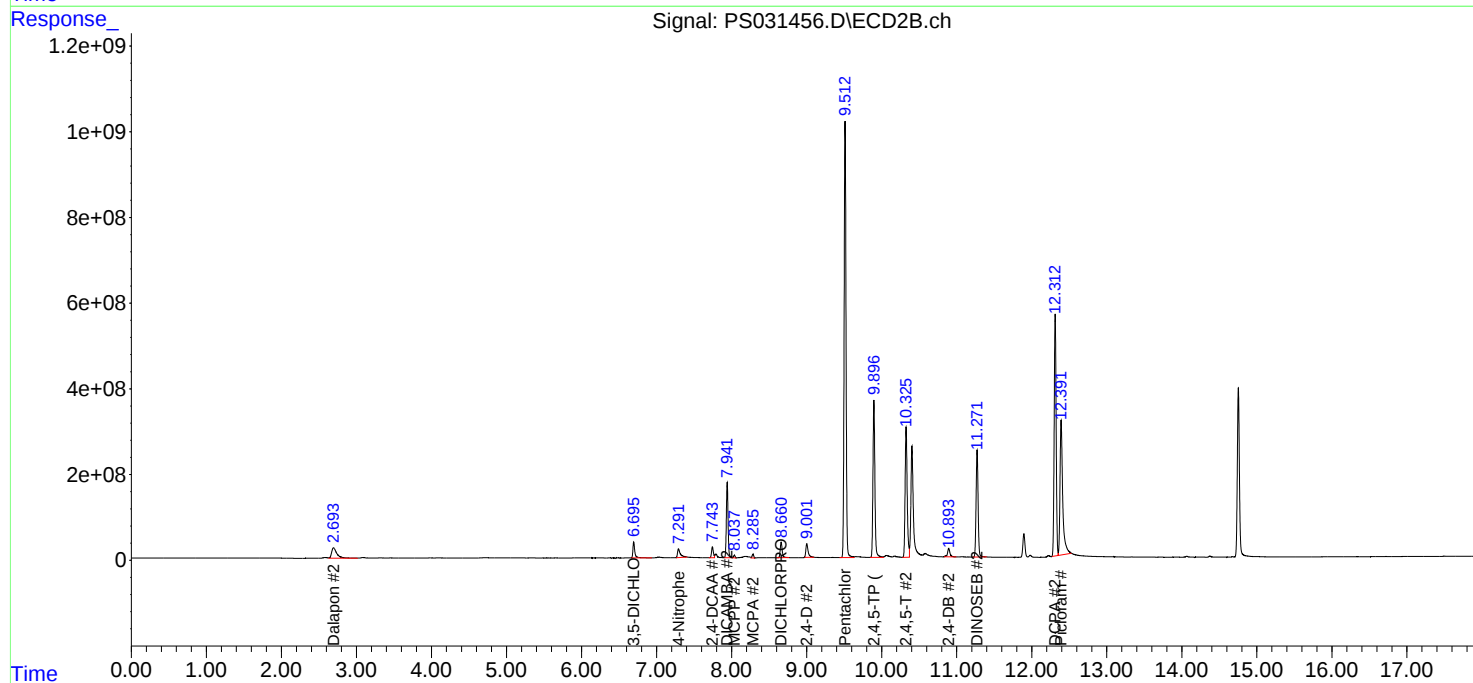
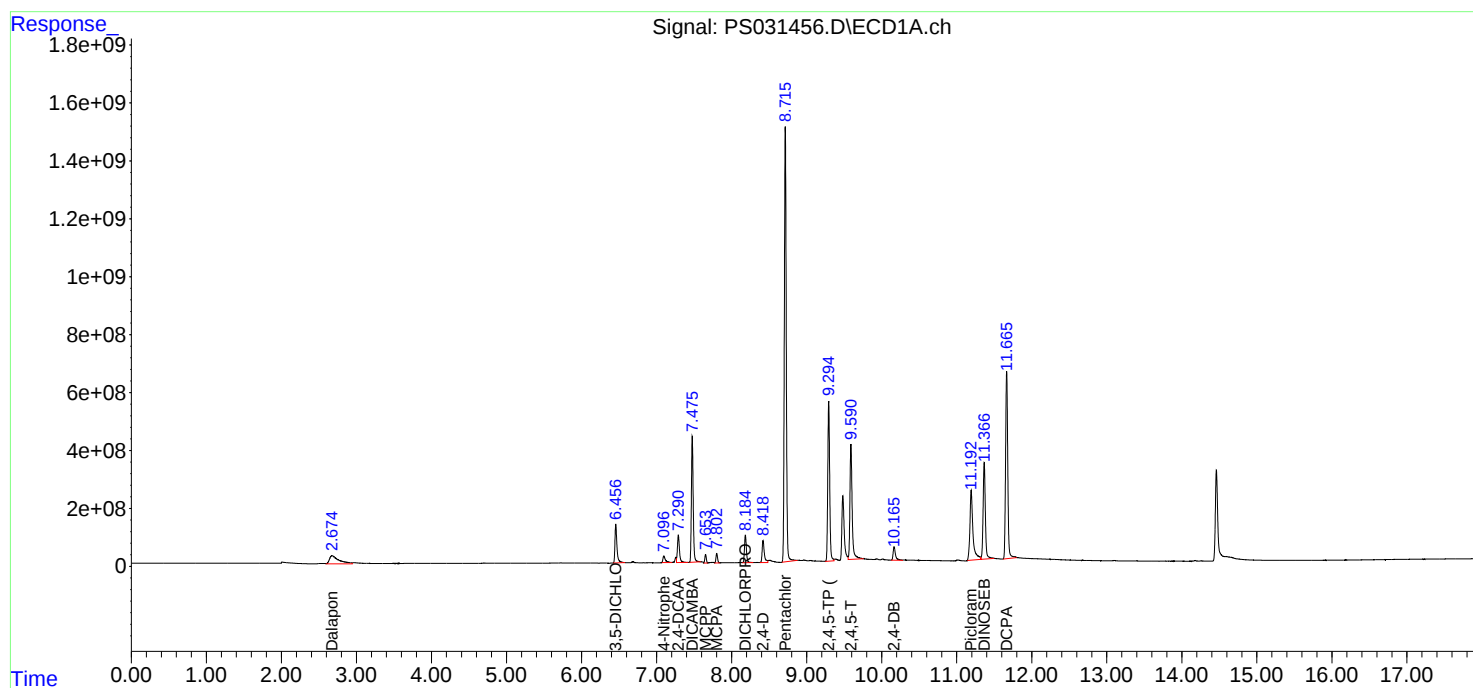
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:28
Operator : AR\AJ
Sample : PB169278BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169278BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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\PS081525\
 Data File : PS031462.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 20:41
 Operator : AR\AJ
 Sample : Q2832-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TG-S01MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 03:49:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
 Quant Title : 8080.M
 QLast Update : Fri Aug 08 03:17:54 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	7.289	7.743	2456.8E6	740.2E6	774.039	875.567
Target Compounds							
1) T	Dalapon	2.677	2.698	3052.8E6	1458.5E6	581.605	548.095
2) T	3,5-DICHL...	6.457	6.695	2444.5E6	618.9E6	518.090	457.807
3) T	4-Nitroph...	7.102	7.308	18021383	26219699	17.468m	20.861m
5) T	DICAMBA	7.475	7.942	6803.0E6	2742.1E6	487.092	482.543
6) T	MCPD	7.654	8.041	549.5E6	112.9E6	68.300	63.840
7) T	MCPA	7.804	8.289	832.9E6	226.5E6	83.616	80.719
8) T	DICHLORPROP	8.182	8.660	2254.7E6	883.6E6	710.732	661.840
9) T	2,4-D	8.416	8.998	2636.7E6	1187.6E6	916.520	832.073
10) T	Pentachlo...	8.715	9.513	24773.9E6	16593.7E6	515.990	476.442
11) T	2,4,5-TP ...	9.292	9.896	13562.4E6	9984.4E6	756.675	761.238m
12) T	2,4,5-T	9.588	10.324	12396.3E6	9015.1E6	846.092	761.424
13) T	2,4-DB	10.163	10.891	1614.5E6	725.9E6	840.143	752.371
14) T	DINOSEB	11.365	11.272	5331.9E6	3479.1E6	420.551	367.890
15) T	Picloram	11.189	12.388	7071.9E6	8778.5E6	541.734	500.776
16) T	DCPA	11.663	12.313	11966.4E6	10688.7E6	525.319	542.563

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 20:41
Operator : AR\AJ
Sample : Q2832-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TG-S01MS

Manual Integrations

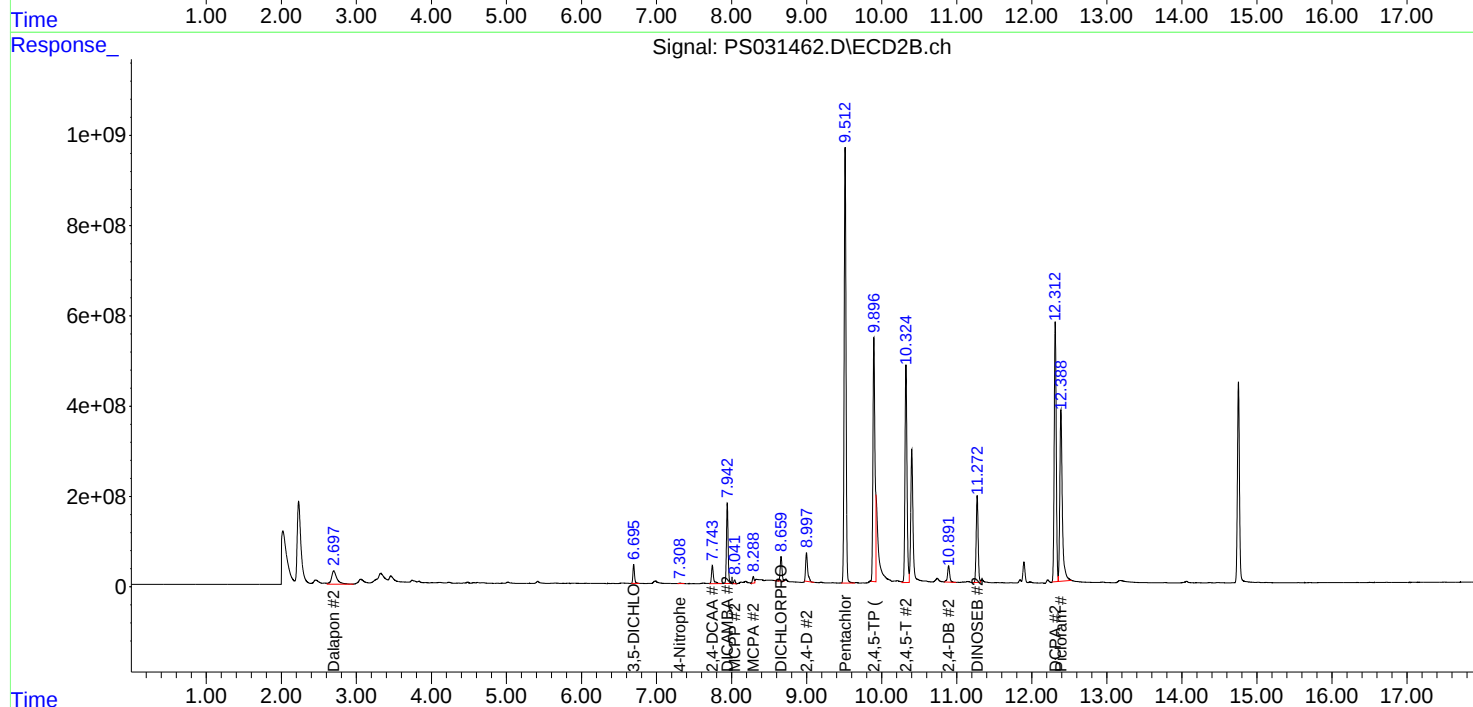
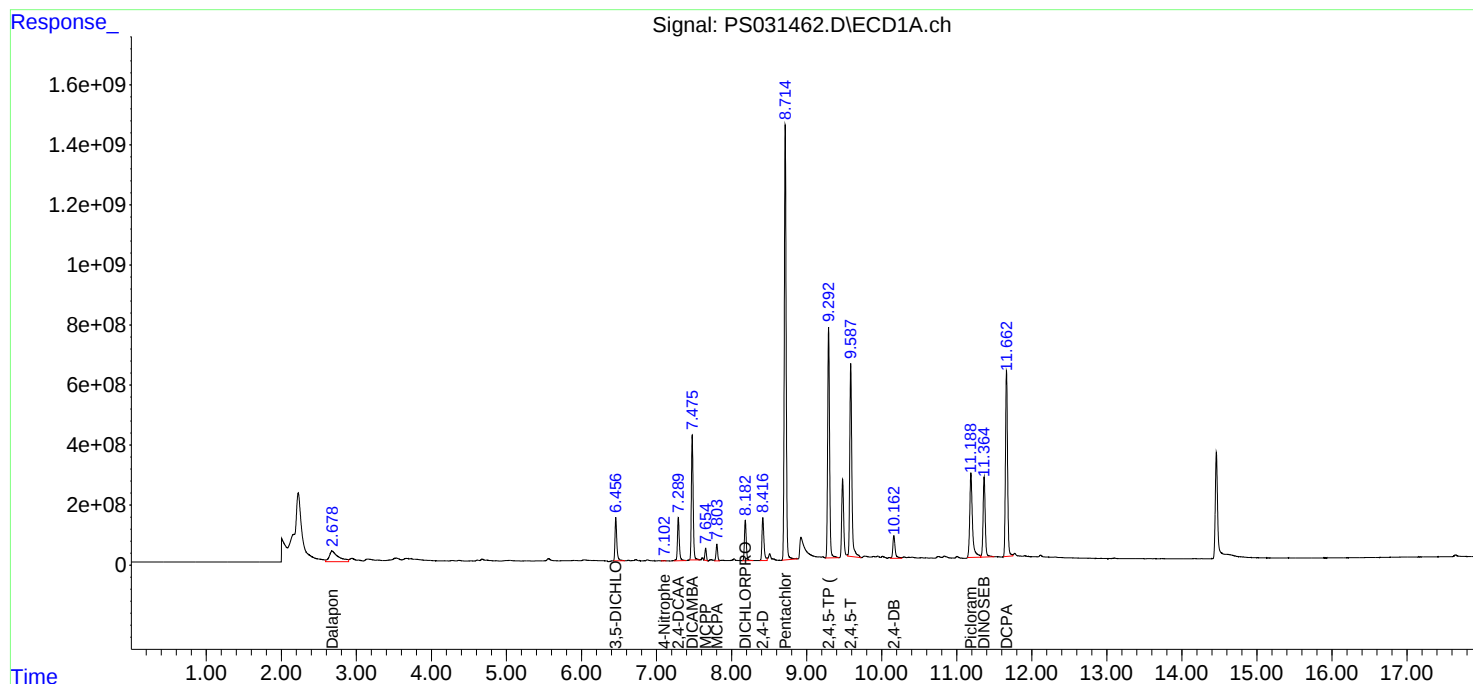
APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:49:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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\PS081525\
 Data File : PS031463.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 21:05
 Operator : AR\AJ
 Sample : Q2832-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TG-S01MSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 03:49:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
 Quant Title : 8080.M
 QLast Update : Fri Aug 08 03:17:54 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	7.289	7.743	2475.6E6	743.7E6	779.973	879.735
Target Compounds							
1) T	Dalapon	2.675	2.699	3069.8E6	1457.7E6	584.850	547.814
2) T	3,5-DICHL...	6.456	6.695	2476.2E6	623.7E6	524.809	461.309
3) T	4-Nitroph...	7.100	7.307	19299897	24426942	18.707m	19.434m
5) T	DICAMBA	7.475	7.942	6888.1E6	2779.2E6	493.190	489.066
6) T	MCPD	7.654	8.040	553.8E6	114.1E6	68.841	64.536
7) T	MCPA	7.804	8.289	845.9E6	243.9E6	84.915	86.924
8) T	DICHLORPROP	8.182	8.659	2271.0E6	893.5E6	715.853	669.248
9) T	2,4-D	8.415	8.997	2646.8E6	1137.5E6	920.035	796.938
10) T	Pentachlo...	8.715	9.512	25007.9E6	16772.4E6	520.864	481.572
11) T	2,4,5-TP ...	9.292	9.896	13706.9E6	10551.6E6	764.735	804.479m
12) T	2,4,5-T	9.586	10.324	12537.9E6	9150.0E6	855.758	772.823
13) T	2,4-DB	10.162	10.891	1613.6E6	729.0E6	839.671	755.577
14) T	DINOSEB	11.365	11.271	5395.6E6	3527.2E6	425.572	372.971
15) T	Picloram	11.189	12.388	7118.9E6	8886.2E6	545.340	506.924
16) T	DCPA	11.663	12.313	12202.0E6	10904.7E6	535.661	553.525

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081525\
Data File : PS031463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 21:05
Operator : AR\AJ
Sample : Q2832-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TG-S01MSD

Manual Integrations

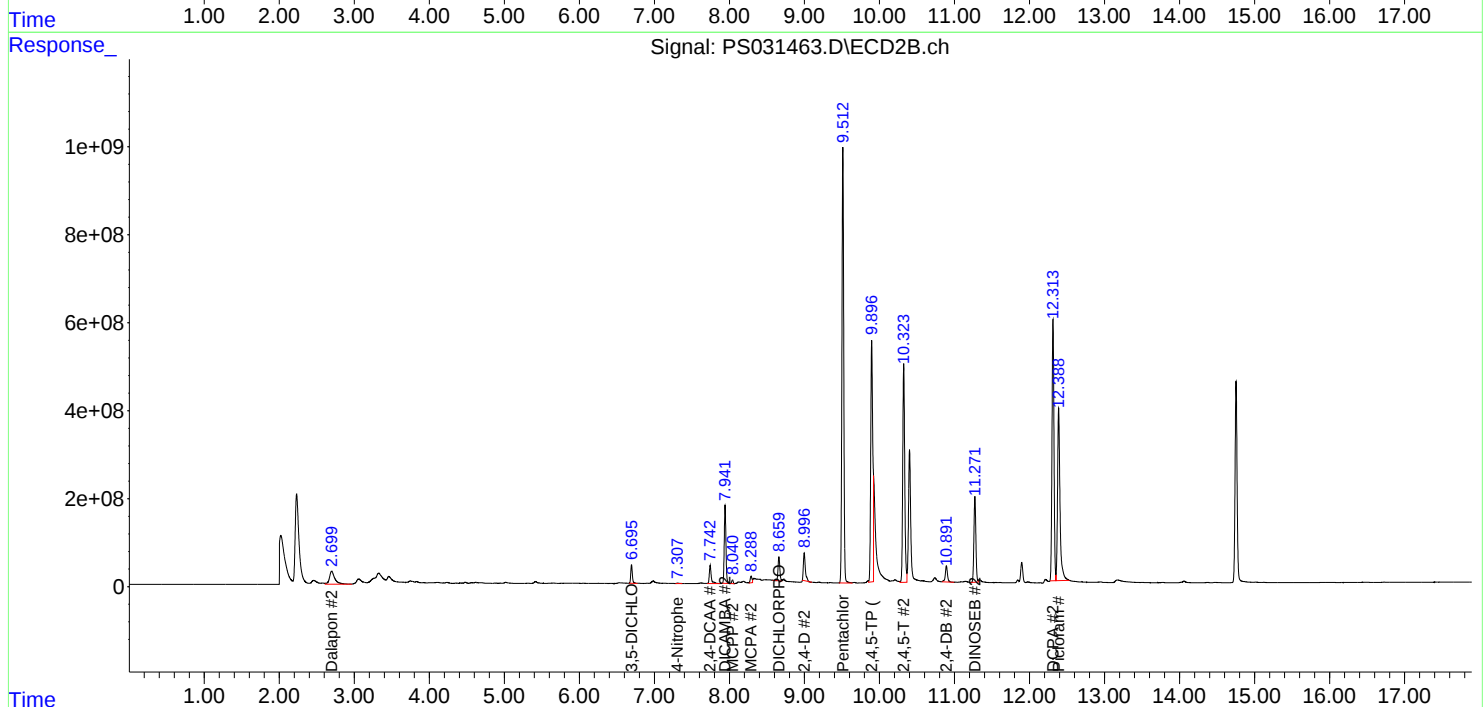
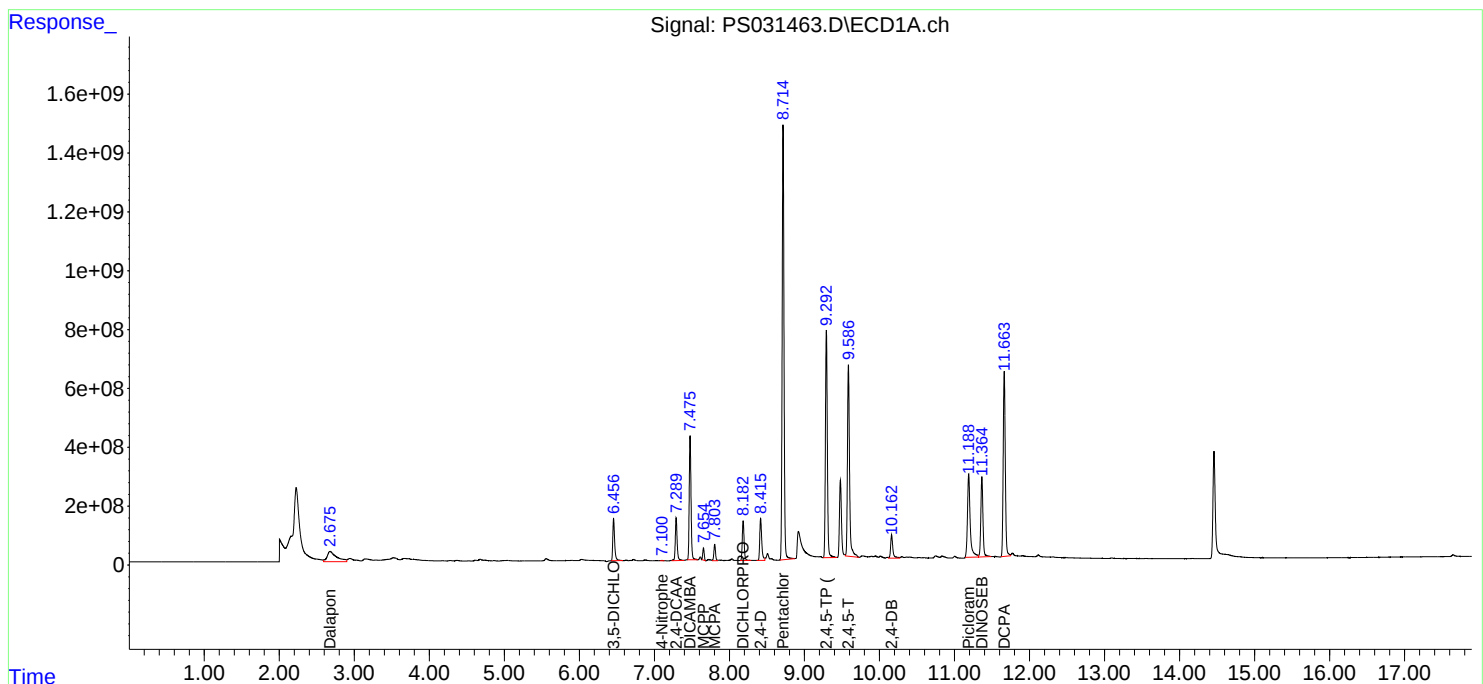
APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 03:49:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 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



Manual Integration Report

Sequence:

ps080725

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC1500	PS031383.D	4-Nitrophenol #2	Abdul	8/8/2025 8:23:31 AM	mohammad	8/11/2025 1:55:16	Peak Integrated by Software
HSTDCCC750	PS031392.D	Picloram	Abdul	8/8/2025 8:23:34 AM	mohammad	8/11/2025 1:55:16	Peak Integrated by Software

Manual Integration Report

Sequence:	PS081525	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2832-02MS	PS031462.D	2,4,5-TP (SILVEX) #2	Abdul	8/18/2025 7:48:55 AM	mohammad	8/19/2025 1:27:14	Peak Integrated by Software
Q2832-02MS	PS031462.D	4-Nitrophenol	Abdul	8/18/2025 7:48:55 AM	mohammad	8/19/2025 1:27:14	Peak Integrated by Software
Q2832-02MS	PS031462.D	4-Nitrophenol #2	Abdul	8/18/2025 7:48:55 AM	mohammad	8/19/2025 1:27:14	Peak Integrated by Software
Q2832-02MSD	PS031463.D	2,4,5-TP (SILVEX) #2	Abdul	8/18/2025 7:48:58 AM	mohammad	8/19/2025 1:27:14	Peak Integrated by Software
Q2832-02MSD	PS031463.D	4-Nitrophenol	Abdul	8/18/2025 7:48:58 AM	mohammad	8/19/2025 1:27:14	Peak Integrated by Software
Q2832-02MSD	PS031463.D	4-Nitrophenol #2	Abdul	8/18/2025 7:48:58 AM	mohammad	8/19/2025 1:27:14	Peak Integrated by Software

Manual Integration Report

Sequence:

PS081825

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031476.D	MCPP #2	Abdul	8/19/2025 11:17:39 AM	mohammad	8/26/2025 7:53:19	Peak Integrated by Software
HSTDCCC750	PS031491.D	DCPA #2	Abdul	8/19/2025 11:18:22 AM	mohammad	8/26/2025 7:53:19	Peak Integrated by Software
HSTDCCC750	PS031491.D	Picloram	Abdul	8/19/2025 11:18:22 AM	mohammad	8/26/2025 7:53:19	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS080725

Review By	Abdul	Review On	8/8/2025 8:24:12 AM
Supervise By	mohammad	Supervise On	8/11/2025 1:55:16 AM
SubDirectory	PS080725	HP Acquire Method	HP Processing Method ps080725 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031377.D	07 Aug 2025 11:14	AR\AJ	Ok
2	I.BLK	PS031378.D	07 Aug 2025 11:38	AR\AJ	Ok
3	HSTDICC200	PS031379.D	07 Aug 2025 12:02	AR\AJ	Ok
4	HSTDICC500	PS031380.D	07 Aug 2025 12:26	AR\AJ	Ok
5	HSTDICC750	PS031381.D	07 Aug 2025 12:50	AR\AJ	Ok
6	HSTDICC1000	PS031382.D	07 Aug 2025 13:14	AR\AJ	Ok
7	HSTDICC1500	PS031383.D	07 Aug 2025 13:38	AR\AJ	Ok,M
8	HSTDICV750	PS031384.D	07 Aug 2025 14:02	AR\AJ	Ok
9	I.BLK	PS031385.D	07 Aug 2025 14:27	AR\AJ	Not Ok
10	HSTDCCC750	PS031386.D	07 Aug 2025 14:51	AR\AJ	Ok
11	PB169160BL	PS031387.D	07 Aug 2025 16:03	AR\AJ	Not Ok
12	PB169160BS	PS031388.D	07 Aug 2025 16:27	AR\AJ	Not Ok
13	PB169160BSD	PS031389.D	07 Aug 2025 16:51	AR\AJ	Not Ok
14	Q2759-04	PS031390.D	07 Aug 2025 17:15	AR\AJ	Not Ok
15	I.BLK	PS031391.D	07 Aug 2025 17:40	AR\AJ	Not Ok
16	HSTDCCC750	PS031392.D	07 Aug 2025 18:04	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS081525

Review By	Abdul	Review On	8/18/2025 7:49:18 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:14 AM
SubDirectory	PS081525	HP Acquire Method	HP Processing Method ps080725 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24802,PP24556,PP24557,PP24558,PP24559,PP24560,PP24803,PP24804		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24804		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031452.D	15 Aug 2025 10:08	AR\AJ	Ok
2	I.BLK	PS031453.D	15 Aug 2025 10:32	AR\AJ	Ok
3	HSTDCCC750	PS031454.D	15 Aug 2025 10:56	AR\AJ	Ok
4	PB169278BL	PS031455.D	15 Aug 2025 17:04	AR\AJ	Ok
5	PB169278BS	PS031456.D	15 Aug 2025 17:28	AR\AJ	Ok
6	PB169212TB	PS031457.D	15 Aug 2025 17:52	AR\AJ	Ok
7	Q2732-03	PS031458.D	15 Aug 2025 18:16	AR\AJ	ReRun
8	Q2832-02	PS031459.D	15 Aug 2025 18:40	AR\AJ	Ok
9	I.BLK	PS031460.D	15 Aug 2025 19:05	AR\AJ	Ok
10	HSTDCCC750	PS031461.D	15 Aug 2025 19:29	AR\AJ	Ok
11	Q2832-02MS	PS031462.D	15 Aug 2025 20:41	AR\AJ	Ok,M
12	Q2832-02MSD	PS031463.D	15 Aug 2025 21:05	AR\AJ	Ok,M
13	Q2832-04	PS031464.D	15 Aug 2025 21:29	AR\AJ	ReRun
14	Q2832-06	PS031465.D	15 Aug 2025 21:54	AR\AJ	ReRun
15	Q2832-08	PS031466.D	15 Aug 2025 22:18	AR\AJ	ReRun
16	Q2832-10	PS031467.D	15 Aug 2025 22:42	AR\AJ	ReRun
17	Q2836-03	PS031468.D	15 Aug 2025 23:06	AR\AJ	Ok
18	Q2836-07	PS031469.D	15 Aug 2025 23:30	AR\AJ	Not Ok
19	Q2836-11	PS031470.D	15 Aug 2025 23:54	AR\AJ	Not Ok
20	Q2836-15	PS031471.D	16 Aug 2025 00:18	AR\AJ	ReRun
21	I.BLK	PS031472.D	16 Aug 2025 00:43	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS081525

Review By	Abdul	Review On	8/18/2025 7:49:18 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:14 AM
SubDirectory	PS081525	HP Acquire Method	HP Processing Method ps080725 8151
STD. NAME	STD REF.#		
Tune/Reschk	PP24553,PP24802,PP24556,PP24557,PP24558,PP24559,PP24560,PP24803,PP24804		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard	PP24804		
LCS Standard			

22	HSTDCCC750	PS031473.D	16 Aug 2025 01:07	AR\AJ	Ok
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M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS081825

Review By	yogesh	Review On	8/26/2025 7:41:34 AM
Supervise By	mohammad	Supervise On	8/26/2025 7:53:19 AM
SubDirectory	PS081825	HP Acquire Method	HP Processing Method ps080725 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24802,PP24556,PP24557,PP24558,PP24559,PP24560,PP24803,PP24804		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24804		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031474.D	18 Aug 2025 08:36	AR\AJ	Ok
2	I.BLK	PS031475.D	18 Aug 2025 09:00	AR\AJ	Ok
3	HSTDCCC750	PS031476.D	18 Aug 2025 09:58	AR\AJ	Ok,M
4	Q2732-03	PS031477.D	18 Aug 2025 10:23	AR\AJ	Ok,M
5	Q2836-07	PS031478.D	18 Aug 2025 10:47	AR\AJ	Ok
6	Q2836-11	PS031479.D	18 Aug 2025 11:11	AR\AJ	Ok
7	Q2836-15	PS031480.D	18 Aug 2025 11:35	AR\AJ	Ok
8	I.BLK	PS031481.D	18 Aug 2025 11:59	AR\AJ	Ok
9	HSTDCCC750	PS031482.D	18 Aug 2025 12:23	AR\AJ	Ok
10	Q2832-02RE	PS031483.D	18 Aug 2025 14:44	AR\AJ	Not Ok
11	Q2832-02MS	PS031484.D	18 Aug 2025 15:08	AR\AJ	Not Ok
12	Q2832-02MSD	PS031485.D	18 Aug 2025 15:32	AR\AJ	Not Ok
13	Q2832-04RE	PS031486.D	18 Aug 2025 15:57	AR\AJ	Confirms
14	Q2832-06RE	PS031487.D	18 Aug 2025 16:21	AR\AJ	Confirms
15	Q2832-08RE	PS031488.D	18 Aug 2025 16:45	AR\AJ	Confirms
16	Q2832-10RE	PS031489.D	18 Aug 2025 17:09	AR\AJ	Confirms
17	I.BLK	PS031490.D	18 Aug 2025 17:44	AR\AJ	Ok
18	HSTDCCC750	PS031491.D	18 Aug 2025 18:09	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS080725

Review By	Abdul	Review On	8/8/2025 8:24:12 AM
Supervise By	mohammad	Supervise On	8/11/2025 1:55:16 AM
SubDirectory	PS080725	HP Acquire Method	HP Processing Method ps080725 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031377.D	07 Aug 2025 11:14		AR\AJ	Ok
2	I.BLK	I.BLK	PS031378.D	07 Aug 2025 11:38		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031379.D	07 Aug 2025 12:02		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS031380.D	07 Aug 2025 12:26		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS031381.D	07 Aug 2025 12:50		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031382.D	07 Aug 2025 13:14		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031383.D	07 Aug 2025 13:38		AR\AJ	Ok,M
8	HSTDICV750	ICVPS080725	PS031384.D	07 Aug 2025 14:02		AR\AJ	Ok
9	I.BLK	I.BLK	PS031385.D	07 Aug 2025 14:27	Looks like hexan	AR\AJ	Not Ok
10	HSTDCCC750	HSTDCCC750	PS031386.D	07 Aug 2025 14:51		AR\AJ	Ok
11	PB169160BL	PB169160BL	PS031387.D	07 Aug 2025 16:03	Opening IBLK fail	AR\AJ	Not Ok
12	PB169160BS	PB169160BS	PS031388.D	07 Aug 2025 16:27	Opening IBLK fail	AR\AJ	Not Ok
13	PB169160BSD	PB169160BSD	PS031389.D	07 Aug 2025 16:51	Opening IBLK fail	AR\AJ	Not Ok
14	Q2759-04	LIQUID-DRUM	PS031390.D	07 Aug 2025 17:15	Opening IBLK fail	AR\AJ	Not Ok
15	I.BLK	I.BLK	PS031391.D	07 Aug 2025 17:40	Opening IBLK fail	AR\AJ	Not Ok
16	HSTDCCC750	HSTDCCC750	PS031392.D	07 Aug 2025 18:04		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS081525

Review By	Abdul	Review On	8/18/2025 7:49:18 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:14 AM
SubDirectory	PS081525	HP Acquire Method	HP Processing Method ps080725 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24802,PP24556,PP24557,PP24558,PP24559,PP24560,PP24803,PP24804
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24804
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031452.D	15 Aug 2025 10:08		AR\AJ	Ok
2	I.BLK	I.BLK	PS031453.D	15 Aug 2025 10:32		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031454.D	15 Aug 2025 10:56		AR\AJ	Ok
4	PB169278BL	PB169278BL	PS031455.D	15 Aug 2025 17:04		AR\AJ	Ok
5	PB169278BS	PB169278BS	PS031456.D	15 Aug 2025 17:28		AR\AJ	Ok
6	PB169212TB	PB169212TB	PS031457.D	15 Aug 2025 17:52		AR\AJ	Ok
7	Q2732-03	WC-A7-01-C	PS031458.D	15 Aug 2025 18:16	surrogate fail	AR\AJ	ReRun
8	Q2832-02	TG-S01	PS031459.D	15 Aug 2025 18:40	surrogate fail, Surrogate fail confirm with MS/MSD	AR\AJ	Ok
9	I.BLK	I.BLK	PS031460.D	15 Aug 2025 19:05		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031461.D	15 Aug 2025 19:29		AR\AJ	Ok
11	Q2832-02MS	TG-S01MS	PS031462.D	15 Aug 2025 20:41	Surrogate Fail , recovery fail for some compounds	AR\AJ	Ok,M
12	Q2832-02MSD	TG-S01MSD	PS031463.D	15 Aug 2025 21:05	Surrogate Fail , recovery fail for some compounds	AR\AJ	Ok,M
13	Q2832-04	TG-S02	PS031464.D	15 Aug 2025 21:29	surrogate fail	AR\AJ	ReRun
14	Q2832-06	TG-S03	PS031465.D	15 Aug 2025 21:54	surrogate fail	AR\AJ	ReRun
15	Q2832-08	TG-S04	PS031466.D	15 Aug 2025 22:18	surrogate fail	AR\AJ	ReRun
16	Q2832-10	TG-S05	PS031467.D	15 Aug 2025 22:42	surrogate fail	AR\AJ	ReRun
17	Q2836-03	WC-A2-15-C	PS031468.D	15 Aug 2025 23:06		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS081525

Review By	Abdul	Review On	8/18/2025 7:49:18 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:14 AM
SubDirectory	PS081525	HP Acquire Method	HP Processing Method ps080725 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24802,PP24556,PP24557,PP24558,PP24559,PP24560,PP24803,PP24804		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24804		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q2836-07	WC-A2-16-C	PS031469.D	15 Aug 2025 23:30	surrogate fail	AR\AJ	Not Ok
19	Q2836-11	WC-A2-17-C	PS031470.D	15 Aug 2025 23:54	surrogate fail	AR\AJ	Not Ok
20	Q2836-15	WC-A5-02-C	PS031471.D	16 Aug 2025 00:18	surrogate fail	AR\AJ	ReRun
21	I.BLK	I.BLK	PS031472.D	16 Aug 2025 00:43		AR\AJ	Ok
22	HSTDCCC750	HSTDCCC750	PS031473.D	16 Aug 2025 01:07		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS081825

Review By	yogesh	Review On	8/26/2025 7:41:34 AM
Supervise By	mohammad	Supervise On	8/26/2025 7:53:19 AM
SubDirectory	PS081825	HP Acquire Method	HP Processing Method ps080725 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24802,PP24556,PP24557,PP24558,PP24559,PP24560,PP24803,PP24804		
CCC	PP24559		
Internal Standard/PEM	PP24804		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031474.D	18 Aug 2025 08:36		AR\AJ	Ok
2	I.BLK	I.BLK	PS031475.D	18 Aug 2025 09:00		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031476.D	18 Aug 2025 09:58		AR\AJ	Ok,M
4	Q2732-03	WC-A7-01-C	PS031477.D	18 Aug 2025 10:23		AR\AJ	Ok,M
5	Q2836-07	WC-A2-16-C	PS031478.D	18 Aug 2025 10:47		AR\AJ	Ok
6	Q2836-11	WC-A2-17-C	PS031479.D	18 Aug 2025 11:11		AR\AJ	Ok
7	Q2836-15	WC-A5-02-C	PS031480.D	18 Aug 2025 11:35		AR\AJ	Ok
8	I.BLK	I.BLK	PS031481.D	18 Aug 2025 11:59		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS031482.D	18 Aug 2025 12:23		AR\AJ	Ok
10	Q2832-02RE	TG-S01RE	PS031483.D	18 Aug 2025 14:44	surrogate fail, not required	AR\AJ	Not Ok
11	Q2832-02MS	TG-S01MS	PS031484.D	18 Aug 2025 15:08	not required	AR\AJ	Not Ok
12	Q2832-02MSD	TG-S01MSD	PS031485.D	18 Aug 2025 15:32	not required	AR\AJ	Not Ok
13	Q2832-04RE	TG-S02RE	PS031486.D	18 Aug 2025 15:57	surrogate fail	AR\AJ	Confirms
14	Q2832-06RE	TG-S03RE	PS031487.D	18 Aug 2025 16:21	surrogate fail	AR\AJ	Confirms
15	Q2832-08RE	TG-S04RE	PS031488.D	18 Aug 2025 16:45	surrogate fail	AR\AJ	Confirms
16	Q2832-10RE	TG-S05RE	PS031489.D	18 Aug 2025 17:09	surrogate fail	AR\AJ	Confirms
17	I.BLK	I.BLK	PS031490.D	18 Aug 2025 17:44		AR\AJ	Ok
18	HSTDCCC750	HSTDCCC750	PS031491.D	18 Aug 2025 18:09		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS081825

Review By	yogesh	Review On	8/26/2025 7:41:34 AM
Supervise By	mohammad	Supervise On	8/26/2025 7:53:19 AM
SubDirectory	PS081825	HP Acquire Method	HP Processing Method ps080725 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24802,PP24556,PP24557,PP24558,PP24559,PP24560,PP24803,PP24804		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24804		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

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

SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 08/12/2025 Time : 17:00
Weigh By :	JP	End Prep Date : 08/13/2025 Time : 10:35
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A 70
Extraction By :	JP	Initial Room Temperature: 24 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pipette ID :	WC	TCLP Technician Signature : <i>JP</i>
Tumbler ID :	T-1 / T-2	Supervisor By : <i>RM</i>
TCLP Filter ID :	115525	

Standarded Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. Q2838-08 IS USED for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/25 11:50	<i>JP</i> / <i>ICN Room</i>	<i>SPS.</i> / <i>RJ / E+L</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
PB169212TB	LEB212	13	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2732-03	WC-A7-01-C	01	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2832-02	TG-S01	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2832-04	TG-S02	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2832-06	TG-S03	04	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2832-08	TG-S04	05	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2832-10	TG-S05	06	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2836-03	WC-A2-15-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-07	WC-A2-16-C	08	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2836-11	WC-A2-17-C	09	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-15	WC-A5-02-C	10	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q2838-04	TP-11	11	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2838-08	TP-10	12	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169212TB	LEB212	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-03	WC-A7-01-C	N/A	N/A	N/A	N/A	100	N/A
Q2832-02	TG-S01	N/A	N/A	N/A	N/A	100	N/A
Q2832-04	TG-S02	N/A	N/A	N/A	N/A	100	N/A
Q2832-06	TG-S03	N/A	N/A	N/A	N/A	100	N/A
Q2832-08	TG-S04	N/A	N/A	N/A	N/A	100	N/A
Q2832-10	TG-S05	N/A	N/A	N/A	N/A	100	N/A
Q2836-03	WC-A2-15-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-07	WC-A2-16-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-11	WC-A2-17-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-15	WC-A5-02-C	N/A	N/A	N/A	N/A	100	N/A
Q2838-04	TP-11	N/A	N/A	N/A	N/A	100	N/A
Q2838-08	TP-10	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
PB169212TB	LEB212	N/A	N/A	N/A	N/A	#1	4.93
Q2732-03	WC-A7-01-C	5.02	96.5	11.5	4.5	#1	4.93
Q2832-02	TG-S01	5.02	96.5	8.4	3.5	#1	4.93
Q2832-04	TG-S02	5.01	96.5	8.4	3.5	#1	4.93
Q2832-06	TG-S03	5.02	96.5	8.2	3.0	#1	4.93
Q2832-08	TG-S04	5.03	96.5	8.0	3.0	#1	4.93
Q2832-10	TG-S05	5.04	96.5	7.0	2.5	#1	4.93
Q2836-03	WC-A2-15-C	5.03	96.5	12.0	4.5	#1	4.93
Q2836-07	WC-A2-16-C	5.02	96.5	12.0	4.5	#1	4.93
Q2836-11	WC-A2-17-C	5.03	96.5	12.5	4.5	#1	4.93
Q2836-15	WC-A5-02-C	5.02	96.5	11.5	4.5	#1	4.93
Q2838-04	TP-11	5.03	96.5	7.6	3.0	#1	4.93
Q2838-08	TP-10	5.02	96.5	7.2	2.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip q2832

WorkList ID : 191220

Department : TCLP Extraction

Date : 08-12-2025 11:53:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-03	WC-A7-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J21	08/12/2025	1311
Q2832-02	TG-S01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-04	TG-S02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-06	TG-S03	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-08	TG-S04	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-10	TG-S02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2836-03	WC-A2-15-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2836-07	WC-A2-16-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2836-11	WC-A2-17-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2836-15	WC-A5-02-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2838-04	TP-11	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	08/12/2025	1311
Q2838-08	TP-10	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	08/12/2025	1311

Date/Time 08/12/25 14:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: CP SM

Date/Time 08/12/25

Raw Sample Received by: CP SM

Raw Sample Relinquished by: CP SM

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A **Extraction Start Date :** 08/15/2025

Matrx : Water **Extraction Start Time :** 08:45

Welgh By: N/A **Extraction By:** RS **Extraction End Date :** 08/15/2025

Balance check: N/A **Filter By:** RS **Extraction End Time :** 15:45

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** RS

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

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24654
Surrogate	1.0ML	5000 PPB	PP24737
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	E3952
Acidified Na2SO4	N/A	EP2633
12N H2SO4	N/A	EP2605
NAOH 6N	N/A	EP2606
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2631
Hexane	N/A	E3962
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 # 03-40BTS723.

KD Bath ID: N/A **Envap ID:** NEVAP-02

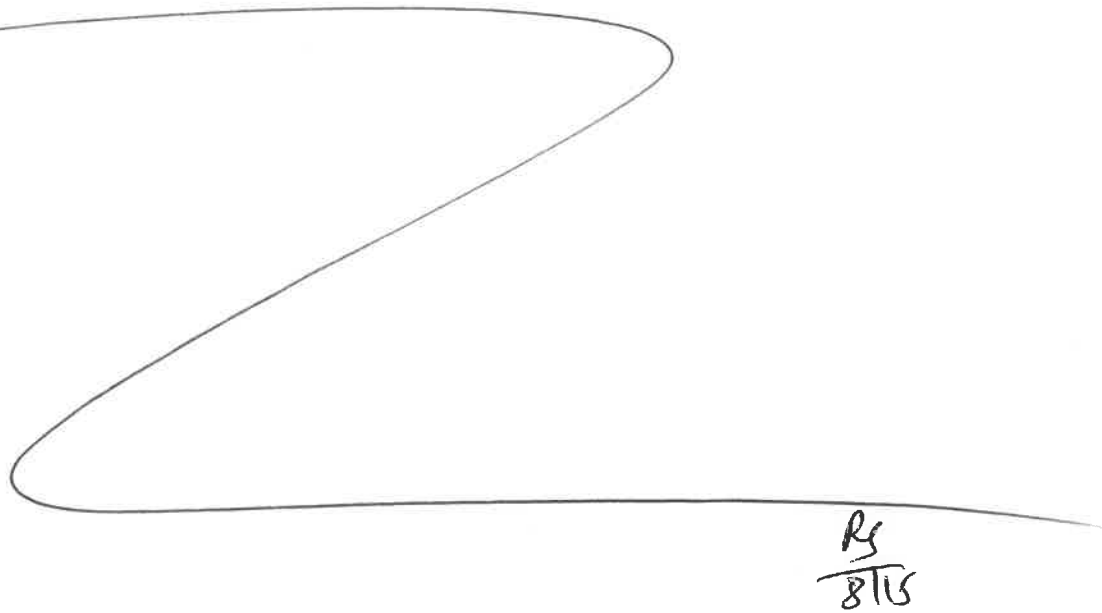
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/15/25 15:50	RS (Ext Lab)	Y-P-pest/PU3
	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 08/15/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169212TB	PB169212TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			SEP-1
PB169278BL	HBLK278	TCLP Herbicide	1000	6	RUPESH	ritesh	10			2
PB169278BS	HLCS278	TCLP Herbicide	1000	6	RUPESH	ritesh	10			3
Q2732-03	WC-A7-01-C	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		4
Q2832-02	TG-S01	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		5
Q2832-02MS	TG-S01MS	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		6
Q2832-02MS D	TG-S01MSD	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		7
Q2832-04	TG-S02	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		8
Q2832-06	TG-S03	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		9
Q2832-08	TG-S04	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		10
Q2832-10	TG-S05	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		11
Q2836-03	WC-A2-15-C	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		12
Q2836-07	WC-A2-16-C	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		13
Q2836-11	WC-A2-17-C	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		14
Q2836-15	WC-A5-02-C	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		15



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
PB169212TB	LEB212	13	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2732-03	WC-A7-01-C	01	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2832-02	TG-S01	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2832-04	TG-S02	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2832-06	TG-S03	04	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2832-08	TG-S04	05	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2832-10	TG-S05	06	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2836-03	WC-A2-15-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-07	WC-A2-16-C	08	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2836-11	WC-A2-17-C	09	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-15	WC-A5-02-C	10	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q2838-04	TP-11	11	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2838-08	TP-10	12	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2

08/13/25
121.00

LAB CHRONICLE

OrderID:	Q2832	OrderDate:	8/12/2025 9:37:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2832-01	TG-S01	SOIL	PCB	8082A	08/11/25	08/13/25	08/13/25	08/12/25
Q2832-02	TG-S01	TCLP	TCLP Herbicide TCLP Pesticide	8151A 8081B	08/11/25	08/15/25 08/15/25	08/15/25 08/15/25	08/12/25
Q2832-03	TG-S02	SOIL	PCB	8082A	08/11/25	08/13/25	08/13/25	08/12/25
Q2832-03DL	TG-S02DL	SOIL	PCB	8082A	08/11/25	08/13/25	08/14/25	08/12/25
Q2832-04	TG-S02	TCLP	TCLP Herbicide TCLP Pesticide	8151A 8081B	08/11/25	08/15/25 08/15/25	08/15/25 08/15/25	08/12/25
Q2832-04RE	TG-S02RE	TCLP	TCLP Herbicide	8151A	08/11/25	08/15/25	08/18/25	08/12/25
Q2832-05	TG-S03	SOIL	PCB	8082A	08/11/25	08/13/25	08/13/25	08/12/25
Q2832-05DL	TG-S03DL	SOIL	PCB	8082A	08/11/25	08/13/25	08/14/25	08/12/25
Q2832-06	TG-S03	TCLP	TCLP Herbicide TCLP Pesticide	8151A 8081B	08/11/25	08/15/25 08/15/25	08/15/25 08/15/25	08/12/25
Q2832-06RE	TG-S03RE	TCLP	TCLP Herbicide	8151A	08/11/25	08/15/25	08/18/25	08/12/25

LAB CHRONICLE

Q2832-07	TG-S04	SOIL			08/11/25			08/12/25
			PCB	8082A		08/13/25	08/13/25	
Q2832-07DL	TG-S04DL	SOIL			08/11/25			08/12/25
			PCB	8082A		08/13/25	08/14/25	
Q2832-08	TG-S04	TCLP			08/11/25			08/12/25
			TCLP Herbicide	8151A		08/15/25	08/15/25	
			TCLP Pesticide	8081B		08/15/25	08/15/25	
Q2832-08RE	TG-S04RE	TCLP			08/11/25			08/12/25
			TCLP Herbicide	8151A		08/15/25	08/18/25	
Q2832-09	TG-S05	SOIL			08/12/25			08/12/25
			PCB	8082A		08/13/25	08/13/25	
Q2832-10	TG-S05	TCLP			08/12/25			08/12/25
			TCLP Herbicide	8151A		08/15/25	08/15/25	
			TCLP Pesticide	8081B		08/15/25	08/15/25	
Q2832-10RE	TG-S05RE	TCLP			08/12/25			08/12/25
			TCLP Herbicide	8151A		08/15/25	08/18/25	